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WATER LEVEL BULLETIN for the  
GREAT LAKES AND (MONTREAL HARBOUR)  
St. Lawrence River.

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

3 1761 11412095 9

1964

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86	599.67	599.48	599.52	600.20	600.57	600.77	600.83	600.95				
HIGH LEVEL FOR MONTH	600.37	600.11	599.95	600.18	601.44	601.74	601.31	601.69	601.83				
Day and Hour	1-0739	6-1007	2-0454	21-1339	23-2117	26-1026	20-0500	2-1359	26-1912				
LOW LEVEL FOR MONTH	599.34	599.21	599.00	598.95	599.18	599.71	600.22	600.30	600.31				
Day and Hour	21-0912	23-0322	24-2127	7-0903	6-1803	26-0858	6-1220	2-2350	27/0810				
HIGHEST DAILY MEAN	600.05	599.84	599.68	599.78	600.42	600.84	600.87	600.98	601.17				
Day	1	3	13	30	29	29	20	28	26				
LOWEST DAILY MEAN	599.70	599.49	599.30	599.24	599.82	600.37	600.66	600.69	600.81				
Day	26	23	26	7	1	3	13	8	27				
Last year's mean for month	599.74	599.60	599.55	599.76	600.00	600.74	600.52	600.58	600.64				
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42				
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869				
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33	599.62				
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926				
Mean for month-last 10 years	600.08	599.79	599.67	599.73	600.20	600.42	600.64	600.70	600.79				
Mean for month-since 1860	600.32	600.13	600.03	600.10	600.45	600.74	600.96	601.04	601.08				

LAKE HURON (at Goderich)

MEAN FOR MONTH	575.56	575.49	575.39	575.39	575.85	575.91	575.98	576.02	576.01				
HIGH LEVEL FOR MONTH	576.49	576.16	576.59	576.08	576.77	576.69	576.72	576.62	576.89				
Day and Hour	10-1932	23-2350	17-1625	15-0643	24-1930	10-0725	22-0230	8-0900	27/1605				
LOW LEVEL FOR MONTH	574.36	574.80	574.42	574.57	575.18	575.36	575.49	575.41	575.35				
Day and Hour	25-0152	25-0622	17-0622	21-1346	9-0254	26-1133	14-0820	28-1255	26/2235				
HIGHEST DAILY MEAN	576.15	575.77	575.72	575.68	576.10	576.16	576.29	576.39	576.41				
Day	10	8	18	23	28	24	29	8	27				
LOWEST DAILY MEAN	575.19	575.24	575.09	575.07	575.53	575.69	575.78	575.69	575.66				
Day	24	29	24	13	6	9	14	22	19				
Last year's mean for month	576.46	576.27	576.25	576.54	576.77	576.89	576.90	576.89	576.64				
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73				
Year	1886	1886	1886	1886	1886	1886	1876	1876	1876				
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13	576.22	576.18	576.08				
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934				
Mean for month-last 10 years	577.30	577.20	577.17	577.32	577.64	577.80	577.90	577.85	577.69				
Mean for month-since 1860	578.31	578.27	578.33	578.54	578.85	579.09	579.22	579.17	578.99				

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	568.71	568.61	568.91	569.35	569.70	569.65	569.49	569.29	569.04				
HIGH LEVEL FOR MONTH	572.25	570.42	573.27	570.96	571.94	570.88	570.63	570.58	571.26				
Day and Hour	10-0617	24-0409	5-1609	8-1720	9-1124	24-1411	13-0515	12-0500	24-0912				
LOW LEVEL FOR MONTH	565.63	567.63	564.22	568.32	568.74	568.87	568.44	568.18	567.98				
Day and Hour	13-0248	6-1817	10-1100	20-0237	13-2039	16-0259	12-1600	21-1353	15-0522				
HIGHEST DAILY MEAN	570.31	569.17	570.81	570.04	570.29	569.95	569.74	569.82	570.02				
Day	10	8	26	8	9	24	13	12	24				
LOWEST DAILY MEAN	566.69	568.12	567.47	568.77	569.39	569.43	568.98	568.97	568.63				
Day	12	6	10	5	5	12	27	27	15				
Last year's mean for month	569.47	568.98	569.26	569.91	570.01	569.99	569.78	569.62	569.21				
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58				
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861				
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53	568.46	568.35				
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934				
Mean for month-last 10 years	569.88	569.58	569.89	570.39	570.69	570.77	570.72	570.54	570.24				
Mean for month-since 1860	570.31	570.08	570.24	570.76	571.08	571.26	571.27	571.04	570.77				

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	242.88	242.35	242.35	243.13	244.03	244.45	244.48	244.13	243.67				
HIGH LEVEL FOR MONTH	243.72	242.88	243.22	243.69	244.77	245.09	244.74	244.78	244.20				
Day and Hour	10-0940	4-0719	26-1830	22-1704	27-0001	23-2039	15-0254	13-0094	5/0046				
LOW LEVEL FOR MONTH	242.25	241.92	241.36	242.35	243.47	243.98	244.09	243.74	243.13				
Day and Hour	24-1121	29-0525	10-0951	2-1740	1-0050	16-0127	12-0848	21-1736	30-2353				
HIGHEST DAILY MEAN	243.35	242.70	242.78	243.55	244.42	244.54	244.60	244.33	244.03				
Day	2	4	27	30	27	26	15	1	4				
LOWEST DAILY MEAN	242.53	242.09	241.89	242.62	243.60	244.34	244.35	243.94	243.27				
Day	24	29	10	2	1	31	31	21	30				
Last year's mean for month	243.92	243.39	243.27	244.43	245.31	245.72	245.63	245.45	244.81				
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	246.95				
Year	1886	1886	1952	1952	1952	1947	1947	1947	1947				
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.05				
Year	1935	1936	1935	1935	1935	1934	1934	1934	1934				
Mean for month-last 10 years	243.83	243.68	243.93	244.72	245.31	245.47	245.27	244.88	244.45				
Mean for month-since 1860	244.19	244.24	244.50	245.11	245.52	245.67	245.59	245.27	244.86				

MONTREAL HARBOUR (at King Edward Pier)

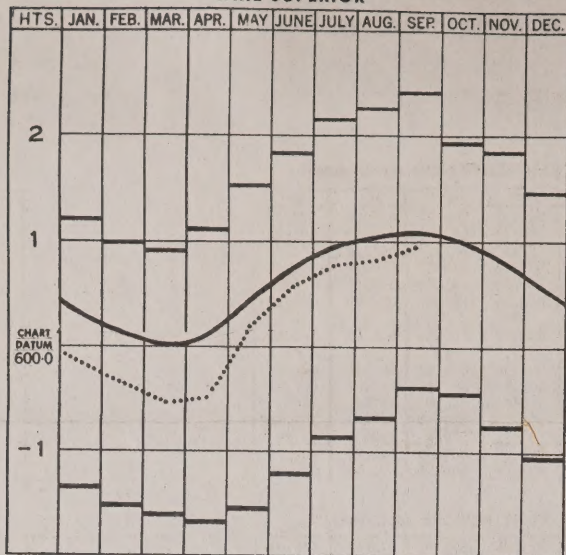
MEAN FOR MONTH	27.45	21.51	20.46	19.46	18.36	17.79	17.66	17.45	17.26				
HIGH LEVEL FOR MONTH	32.89	23.54	23.05	21.20	20.13	18.63	18.59	18.12	17.96				
Day and Hour	15-1833	1-0001	11-0119	18-1600	1-0215	12-0039	11-2117	2-0847	26-0725				
LOW LEVEL FOR MONTH	22.20	20.33	18.57	16.60	17.56	17.04	16.88	16.88	16.62				
Day and Hour	27-0450	10-0511	30-1259	6-1816	26-1715	24-1440	21-1121	4-1243	15-1546				
HIGHEST DAILY MEAN	32.53	23.16	22.93	21.04	19.87	18.15	18.24	17.84	17.54				
Day	15	1	11	18	1	11	11	23	10				
LOWEST DAILY MEAN	22.55	20.61	18.79	16.86	17.78	17.42	17.07	17.09	16.90				
Day	27	25	30	6	26	30	21	4	15				
Last year's mean for month	33.51	30.80	33.64	22.40	19.09	17.91	17.63	17.89	18.16				
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38				
Year	1886	1890	1890	1887	1876	1876	1861	18 61	1869				
Min. mean for month since 1860	21.25	21.61	23.08	20.78	19.09	17.91	17.63	17.51	17.22				
Year	1932	1935	1962	1931	1963	1963	1963	1934	1934				
Mean for month-last 10 years	30.13	30.39	25.51	23.66	21.66	20.35	20.02	19.35	19.07				
Mean for month-since 1860	32.78	32.26	31.42	29.47	25.79	24.06	22.53	21.56	20.98				

MAXIMUM AND MINIMUM MEAN LEVELS TABULATED ABOVE AND SHOWN OVERLEAF ARE THOSE PRIOR TO THE PRESENT YEAR AND MAY HAVE BEEN RECORDED AT LOCATIONS ON THE LAKES OTHER THAN THOSE INDICATED.

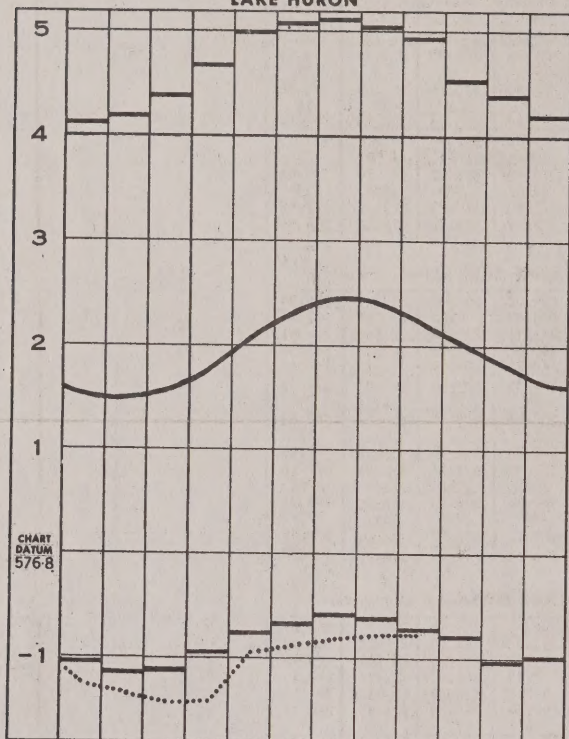
ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955). THE REFERENCE ZERO FOR IGLD (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.



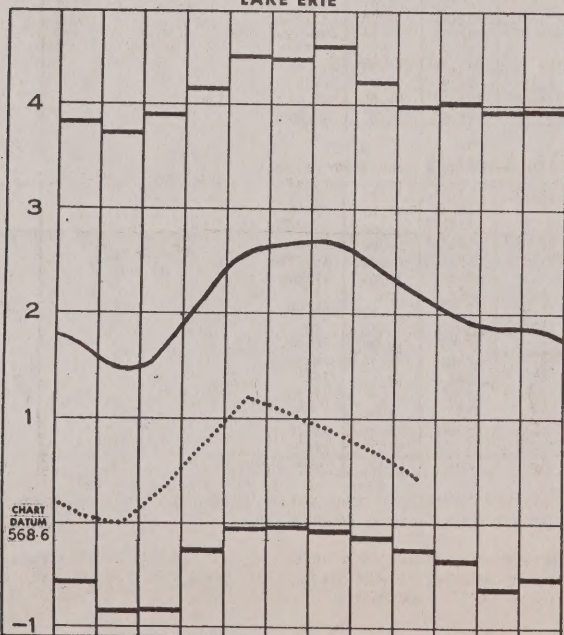
# LAKE SUPERIOR



# LAKE HURON



# LAKE ERIE



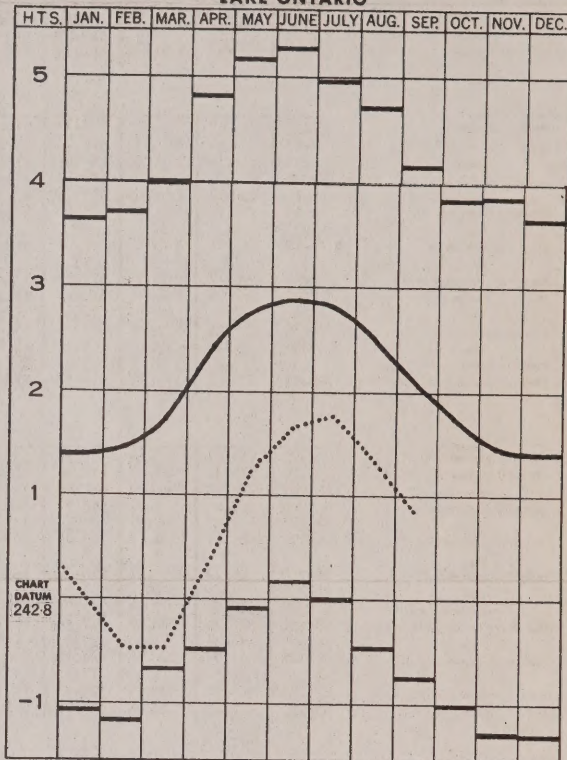
CANADA

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

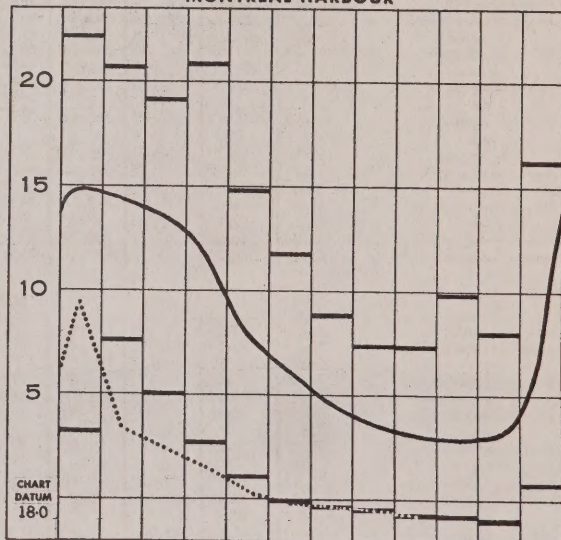
## MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

1964

# LAKE ONTARIO



# MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

## MONTHLY MEAN LEVELS

RECORDED IN PRESENT YEAR .....  
AVERAGE OF ALL RECORDS \_\_\_\_\_  
MAXIMUM FOR ALL RECORDS \_\_\_\_\_  
MINIMUM FOR ALL RECORDS \_\_\_\_\_



WATER LEVEL BULLETIN for the  
GREAT LAKES AND (MONTREAL HARBOUR)  
St. Lawrence River.  
1964



INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86	599.67	599.73	599.52	600.20	600.57	600.77	600.83	600.95	600.87			
HIGH LEVEL FOR MONTH	600.37	600.11	599.95	600.18	601.44	601.74	601.31	601.69	601.83	601.45			
Day and Hour	1-0739	6-1007	2-0454	21-1339	23-2117	26-1026	20-0500	2-1352	26-1912	3/1455			
LOW LEVEL FOR MONTH	599.34	599.21	599.00	598.95	599.18	599.71	600.22	600.30	600.31	600.34			
Day and Hour	21-0912	23-0322	24-2127	7-0903	6-1803	26-0858	6-1220	2-2350	27/0810	4/0118			
HIGHEST DAILY MEAN	600.05	599.84	599.68	599.78	600.42	600.84	600.87	600.78	601.17	600.13			
Day	1	3	13	30	29	29	20	28	26	1			
LOWEST DAILY MEAN	599.70	599.49	599.30	599.24	599.82	600.37	600.66	600.69	600.81	600.71			
Day	26	23	26	7	1	3	13	8	27	28			
Last year's mean for month	599.74	599.60	599.55	599.76	600.00	600.34	600.52	600.58	600.64	600.54			
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42	601.94			
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916			
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33	599.62	599.57			
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925			
Mean for month-last 10 years	600.08	599.79	599.67	599.73	600.20	600.42	600.64	600.70	600.79	600.71			
Mean for month-since 1860	600.32	600.13	600.03	600.10	600.45	600.74	600.96	601.04	601.08	601.00			

LAKE HURON (at Goderich)

MEAN FOR MONTH	575.56	575.49	575.39	575.39	575.85	575.91	575.98	576.02	576.01	575.84			
HIGH LEVEL FOR MONTH	576.49	576.16	576.59	576.08	576.77	576.69	576.72	576.62	576.89	576.95			
Day and Hour	10-1932	23-2350	17-1625	15-0643	24-1930	10-0725	29-0230	8-0900	27/1605	4/1008			
LOW LEVEL FOR MONTH	574.36	574.80	574.42	574.57	575.18	575.36	575.49	575.41	575.35	575.21			
Day and Hour	25-0152	25-0622	17-0622	21-1346	9-0254	26-1133	14-0820	28-1255	26/2235	8/0037			
HIGHEST DAILY MEAN	576.15	575.77	575.72	575.68	576.10	576.16	576.29	576.39	576.41	576.50			
Day	10	8	18	23	28	24	29	8	27	4			
LOWEST DAILY MEAN	575.19	575.24	575.09	575.07	575.53	575.69	575.78	575.69	575.66	575.07			
Day	24	29	24	13	6	9	14	22	19	8			
Last year's mean for month	576.46	576.27	576.25	576.54	576.77	576.89	576.90	576.89	576.64	576.41			
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73	581.33			
Year	1886	1886	1886	1886	1886	1886	1876	1876	1876	1876			
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13	576.22	576.18	576.08	576.01			
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934			
Mean for month-last 10 years	577.30	577.20	577.17	577.32	577.64	577.80	577.90	577.85	577.69	577.45			
Mean for month-since 1860	578.21	578.27	578.33	578.54	578.85	579.09	579.22	579.17	578.99	578.78			

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	568.71	568.61	568.91	569.35	569.70	569.65	569.49	569.29	569.04	568.66			
HIGH LEVEL FOR MONTH	572.25	570.42	573.27	570.96	571.94	570.88	570.63	570.58	571.26	571.13			
Day and Hour	10-0617	24-0109	5-1609	8-1720	9-1124	24-1411	13-0515	12-0500	24-0912	21/1920			
LOW LEVEL FOR MONTH	565.63	567.63	564.22	568.32	568.74	568.87	568.44	568.18	567.98	567.16			
Day and Hour	13-0248	6-1017	10-1100	20-0237	13-2039	16-0259	12-1600	21-1353	15-0522	29/1343			
HIGHEST DAILY MEAN	570.31	569.17	570.81	570.04	570.29	569.95	569.74	569.82	570.02	569.42			
Day	10	8	26	8	9	24	13	12	24	9			
LOWEST DAILY MEAN	566.69	568.12	567.47	568.77	569.39	569.43	568.98	568.97	568.63	568.23			
Day	12	6	10	5	31	5	12	27	15	31			
Last year's mean for month	569.47	568.98	569.26	569.91	570.01	569.99	569.78	569.62	569.21	569.00			
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58	572.63			
Year	1863	1863	1863	1863	1862	1860	1862	1862	1861	1861			
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53	568.46	568.35	568.24			
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934			
Mean for month-last 10 years	569.88	569.58	569.89	570.39	570.69	570.77	570.72	570.54	570.24	569.95			
Mean for month-since 1860	570.31	570.08	570.24	570.76	571.08	571.26	571.27	571.04	570.77	570.55			

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	242.88	242.35	242.35	243.13	244.03	244.45	244.48	244.13	243.67	242.96			
HIGH LEVEL FOR MONTH	243.72	242.88	243.22	243.69	244.77	245.09	244.74	244.72	244.20	243.84			
Day and Hour	10-0940	4-0719	26-1830	22-1704	27-0001	23-2039	15-0254	12-0004	5/0046	2/2025			
LOW LEVEL FOR MONTH	242.25	241.92	241.36	242.35	243.47	243.98	244.09	243.74	243.13	243.13			
Day and Hour	22-1121	29-0525	10-0951	2-1740	1-0050	16-0127	12-0848	21-1735	30-2353	29/1250			
HIGHEST DAILY MEAN	243.35	242.70	242.78	243.55	244.42	244.54	244.60	244.33	244.03	243.42			
Day	2	4	27	30	27	26	15	1	4	4			
LOWEST DAILY MEAN	242.53	242.09	241.89	242.62	243.60	244.34	244.35	243.94	243.27	242.55			
Day	24	29	10	2	1	1	31	21	30	31			
Last year's mean for month	243.92	243.29	243.27	244.43	245.31	245.72	245.63	245.45	244.81	244.13			
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	246.95	246.64			
Year	1886	1886	1952	1952	1952	1947	1947	1947	1861	1861			
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.05	241.79			
Year	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934			
Mean for month-last 10 years	243.83	243.68	243.93	244.72	245.31	245.47	245.27	244.98	244.45	244.02			
Mean for month-since 1860	244.19	244.24	244.50	245.11	245.52	245.67	245.59	245.27	244.86	244.49			

MONTREAL HARBOUR (at King Edward Pier)

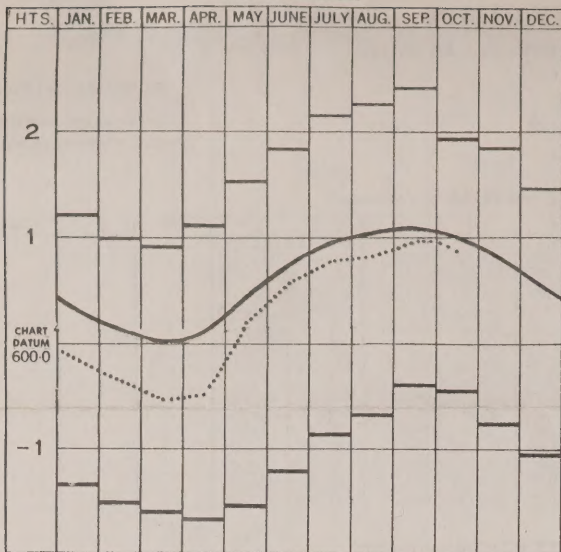
MEAN FOR MONTH	27.45	21.51	20.46	19.46	18.36	17.79	17.66	17.45	17.26	17.32			
HIGH LEVEL FOR MONTH	32.89	23.54	23.05	21.20	20.13	18.63	18.59	18.12	17.96	18.09			
Day and Hour	15-1835	1-0001	11-0419	18-1600	1-0215	12-0039	11-2117	2-0847	26-0725	24/0744			
LOW LEVEL FOR MONTH	22.20	20.33	18.57	16.60	17.56	17.04	16.88	16.89	16.62	16.75			
Day and Hour	27-0450	10-0511	30-1259	6-1816	26-1715	24-1440	21-1121	4-1213	15-1546	13/0807			
HIGHEST DAILY MEAN	32.53	23.16	22.93	21.04	19.87	18.15	18.24	17.84	17.54	17.80			
Day	15	1	11	18	1	11	11	23	10	22			
LOWEST DAILY MEAN	22.55	20.61	18.79	16.86	17.78	17.42	17.07	17.09	16.90	17.00			
Day	27	25	30	6	26	30	21	4	15	6			
Last year's mean for month	33.51	30.80	23.64	22.40	19.09	17.91	17.63	17.89	18.16	17.84			
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38	25.82			
Year	1886	1890	1890	1887	1876	1876	1861	1861	1869	1861			
Min. mean for month since 1860	21.25	21.61	23.08	20.78	19.09	17.91	17.63	17.51	17.22	17.21			
Year	1932	1935	1962	1931	1963	1963	1963	1934	1934	1934			
Mean for month-last 10 years	30.13	30.29	25.51	23.66	21.66	20.35	20.02	19.35	19.07	18.81			
Mean for month-since 1860	32.78	32.26	31.42	29.47	25.79	24.06	22.53	21.56	20.98	20.85			

MAXIMUM AND MINIMUM MEAN LEVELS TABULATED ABOVE AND SHOWN OVERLEAF ARE THOSE PRIOR TO THE PRESENT YEAR AND MAY HAVE BEEN RECORDED AT LOCATIONS ON THE LAKES OTHER THAN THOSE INDICATED.

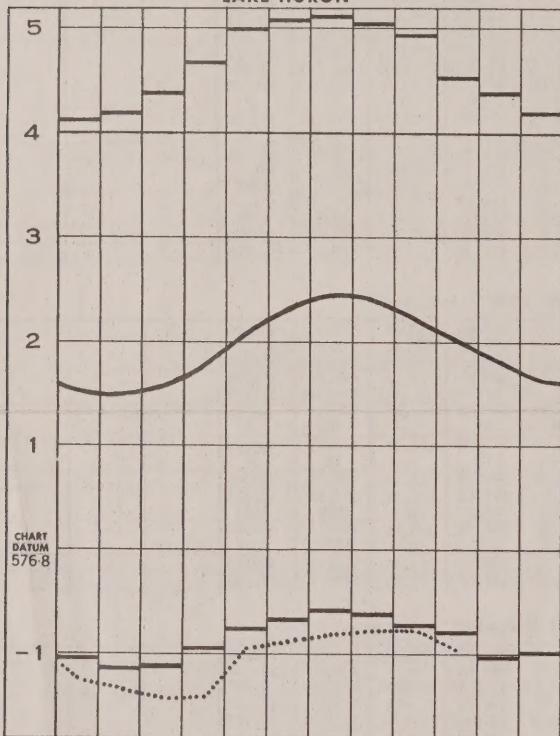
ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955). THE REFERENCE ZERO FOR IGLD (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.



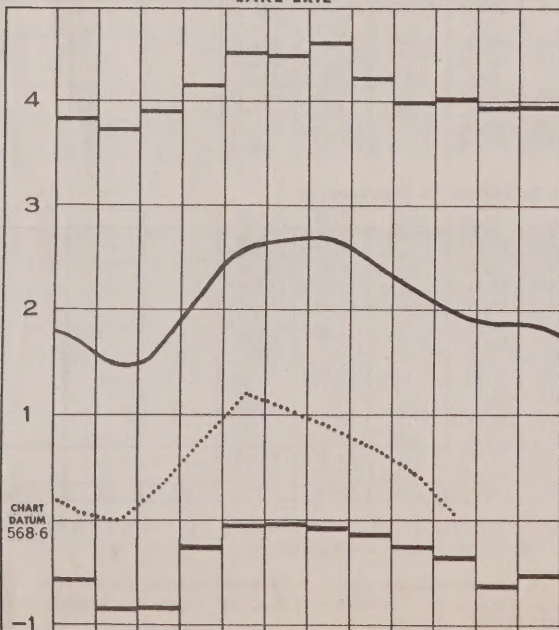
# LAKE SUPERIOR



# LAKE HURON



# LAKE ERIE



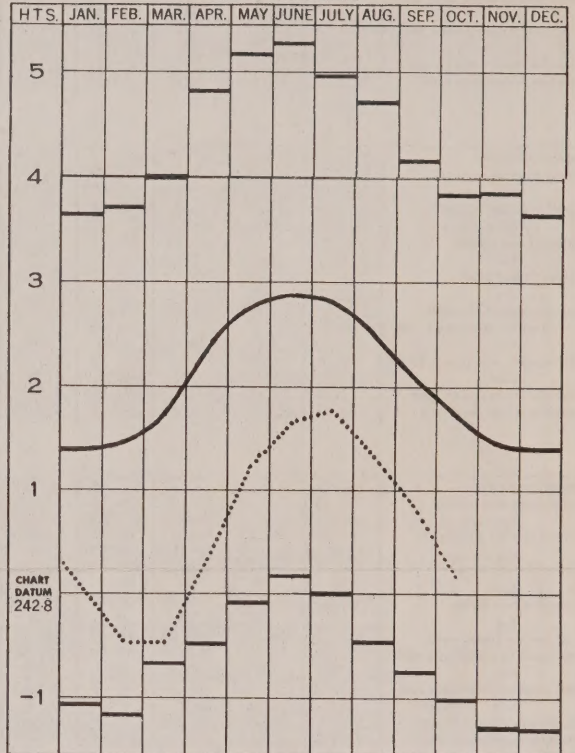
CANADA

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

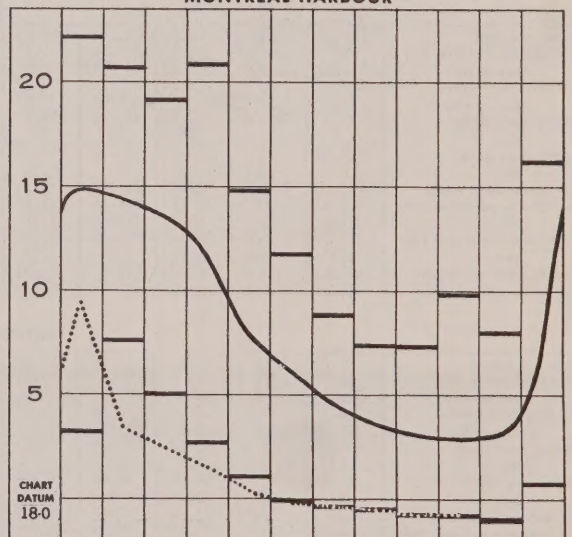
## MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

1964

### LAKE ONTARIO



### MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

### MONTHLY MEAN LEVELS

RECORDED IN PRESENT YEAR .....  
AVERAGE OF ALL RECORDS .....  
MAXIMUM FOR ALL RECORDS .....  
MINIMUM FOR ALL RECORDS .....



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SCI. MED. DIV.  
1964



WATER LEVEL BULLETIN for the  
GREAT LAKES AND (MONTREAL HARBOUR)  
St. Lawrence River.

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1964

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86	599.67	599.48	599.52	600.20	600.57	600.77	600.83	600.95	600.87	600.62		
HIGH LEVEL FOR MONTH	600.37	600.11	599.95	600.18	601.44	601.74	601.31	601.69	601.83	601.45	601.06		
Day and Hour	1-0739	6-1007	2-0454	21-1339	23-2117	26-1026	20-0500	2-1359	26-1912	3/1455	12/0715		
LOW LEVEL FOR MONTH	599.34	599.21	599.00	598.95	599.18	599.71	600.22	600.30	600.31	600.34	599.98		
Day and Hour	21-0912	23-0322	24-2127	7-0903	6-1803	26-0858	6-1220	2-2350	27/0810	4/0118	26/0032		
HIGHEST DAILY MEAN	600.05	599.84	599.68	599.78	600.42	600.84	600.87	600.98	601.17	600.13	600.81		
Day	1	3	13	30	29	29	20	28	26	1	2		
LOWEST DAILY MEAN	599.70	599.49	599.30	599.24	599.82	600.37	600.66	600.69	600.81	600.71	600.34		
Day	26	23	26	7	1	3	13	8	27	28	26		
Last year's mean for month	599.74	599.60	599.55	599.76	600.00	600.34	600.52	600.58	600.64	600.54	600.27		
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42	601.94	601.85		
Year	1952	1952	1951	1951	1951	1876	1876	1876	1869	1916	1900		
Min. mean for month since 1860	598.66	598.78	598.40	598.33	598.46	598.79	599.14	599.33	599.62	599.57	599.24		
Year	1926	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925		
Mean for month - last 10 years	600.08	599.79	599.67	599.73	600.20	600.42	600.64	600.70	600.79	600.71	600.51		
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45	600.74	600.96	601.04	601.08	601.00	600.82		

LAKE HURON (at Goderich)

MEAN FOR MONTH	575.56	575.49	575.39	575.39	575.85	575.91	575.98	576.02	576.01	575.84	575.68		
HIGH LEVEL FOR MONTH	576.49	576.16	576.59	576.08	576.77	576.69	576.72	576.62	576.89	576.95	576.65		
Day and Hour	10-1932	23-2350	17-1625	15-0643	24-1930	10-0725	29-0230	8-0900	27/1605	5/1008	17/2042		
LOW LEVEL FOR MONTH	574.36	574.80	574.42	574.57	575.18	575.36	575.49	575.41	575.35	575.21	574.26		
Day and Hour	25-0152	25-0622	17-0622	21-1346	9-0254	26-1133	14-0820	28-1255	26/2235	8/0037	28/1047		
HIGHEST DAILY MEAN	576.15	575.77	575.72	575.68	576.10	576.16	576.29	576.39	576.41	576.50	576.13		
Day	10	8	18	23	28	24	29	8	27	4	21		
LOWEST DAILY MEAN	575.19	575.24	575.09	575.07	575.53	575.69	575.78	575.69	575.66	575.50	575.00		
Day	24	29	24	13	6	9	14	22	19	28	28		
Last year's mean for month	576.46	576.27	576.25	576.54	576.77	576.89	576.90	576.82	576.64	576.41	576.22		
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73	581.33	581.18		
Year	1886	1886	1886	1886	1886	1886	1876	1876	1876	1876	1876		
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13	576.22	576.18	576.08	576.01	575.77		
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934		
Mean for month - last 10 years	577.31	577.20	577.17	577.32	577.64	577.80	577.90	577.85	577.69	577.45	577.28		
Mean for month - since 1860	578.31	578.27	578.33	578.54	578.85	579.09	579.22	579.17	578.99	578.78	578.58		

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	568.71	568.61	568.91	569.35	569.70	569.65	569.49	569.29	569.04	568.66	568.57		
HIGH LEVEL FOR MONTH	572.25	570.42	573.27	570.96	571.94	570.88	570.63	570.58	571.26	571.13	573.58		
Day and Hour	10-0617	24-0409	5-1609	8-1720	9-1124	24-1411	13-0515	12-0500	24-0912	21/1920	21/0135		
LOW LEVEL FOR MONTH	565.63	567.63	564.22	568.32	568.74	568.87	568.44	568.18	567.98	567.16	566.98		
Day and Hour	13-0248	6-1817	10-1100	20-0237	13-2039	16-0259	12-1600	21-1353	15-0522	29/1343	27/1945		
HIGHEST DAILY MEAN	570.31	569.17	570.81	570.44	570.29	569.95	569.74	569.82	570.02	569.42	570.35		
Day	10	8	26	8	9	24	13	12	24	9	21		
LOWEST DAILY MEAN	566.69	568.12	567.47	568.77	569.39	569.43	568.98	568.97	568.63	568.23	567.95		
Day	12	6	10	5	31	5	12	27	15	31	30		
Last year's mean for month	569.47	568.98	569.26	569.91	570.01	569.99	569.78	569.62	569.21	569.00	569.08		
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58	572.63	572.64		
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861	1861	1861		
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53	568.46	568.35	568.24	567.97		
Year	1935	1935	1934	1934	1934	1934	1934	1934	1934	1934	1934		
Mean for month - last 10 years	569.88	569.58	569.89	570.39	570.69	570.77	570.72	570.54	570.24	569.95	569.82		
Mean for month - since 1860	570.31	570.08	570.24	570.76	571.08	571.26	571.27	571.04	570.77	570.55	570.45		

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	242.88	242.35	242.35	243.13	244.03	244.45	244.48	244.13	243.67	242.96	242.30		
HIGH LEVEL FOR MONTH	243.72	242.88	243.22	243.69	244.77	245.09	244.74	244.78	244.20	243.84	243.17		
Day and Hour	10-0940	4-0719	26-1830	22-1704	27-0001	23-2039	15-0254	18-0004	5/0046	2/2025	21/0505		
LOW LEVEL FOR MONTH	242.25	241.92	241.36	242.35	243.47	243.98	244.09	243.74	243.13	242.40	241.70		
Day and Hour	21-1121	29-0525	10-0951	2-1740	1-0050	16-0127	12-0848	21-1735	30-2353	29/1250	27/2052		
HIGHEST DAILY MEAN	243.35	242.70	242.78	243.55	244.42	244.54	244.60	244.33	244.03	243.42	242.57		
Day	2	4	27	30	27	26	15	1	4	4	5		
LOWEST DAILY MEAN	242.53	242.09	241.89	242.62	243.60	244.34	244.35	243.94	243.27	242.55	241.96		
Day	24	29	10	2	1	1	31	21	30	31	30		
Last year's mean for month	243.92	243.39	243.27	244.43	245.31	245.72	245.63	245.45	244.81	244.13	243.61		
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51	246.95	246.64	246.65		
Year	1886	1886	1952	1952	1952	1947	1947	1947	1947	1861	1861		
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.05	241.79	241.52		
Year	1935	1936	1935	1935	1935	1934	1934	1934	1934	1934	1934		
Mean for month - last 10 years	243.83	243.68	243.93	244.72	245.31	245.47	245.27	244.88	244.45	244.02	243.76		
Mean for month - since 1860	244.19	244.24	244.50	245.11	245.52	245.67	245.59	245.27	244.86	244.49	244.25		

MONTREAL HARBOUR (at King Edward Pier)

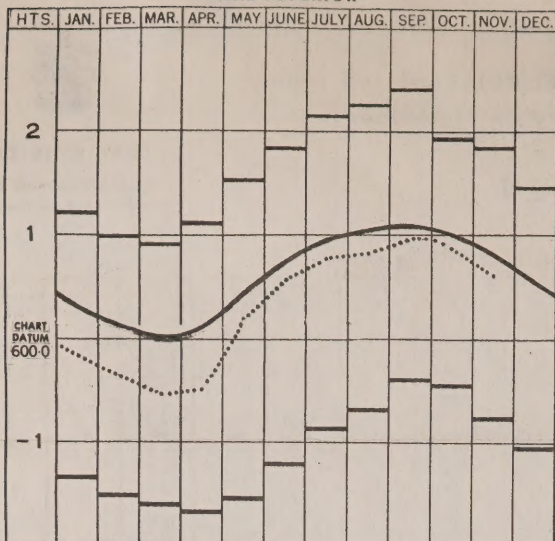
MEAN FOR MONTH	27.45	21.51	20.46	19.46	18.36	17.79	17.66	17.45	17.26	17.32	17.09		
HIGH LEVEL FOR MONTH	32.89	23.54	23.05	21.20	20.13	18.63	18.59	18.12	17.96	18.09	18.18		
Day and Hour	15-1833	1-0001	11-0419	18-1600	1-0215	12-0039	11-2117	2-0847	26-0725	24/0744	6/0725		
LOW LEVEL FOR MONTH	22.20	20.33	18.57	16.60	17.56	17.04	16.88	16.89	16.62	16.75	16.16		
Day and Hour	27-0450	10-0513	30-1259	6-1816	26-1215	24-1440	21-1121	4-1243	15-1546	13/0807	16/1247		
HIGHEST DAILY MEAN	32.53	23.16	22.93	21.04	19.87	18.15	18.24	17.84	17.54	17.80	17.58		
Day	15	1	11	18	1	11	11	23	10	22	6		
LOWEST DAILY MEAN	22.55	20.61	18.79	16.86	17.78	17.42	17.07	17.09	16.90	17.00	16.36		
Day	27	25	30	6	26	20	21	17	15	6	16		
Last year's mean for month	33.51	30.80	23.64	22.40	19.09	17.91	17.63	17.82	18.16	17.84	18.81		
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39	25.38	25.82	26.05		
Year	1886	1890	1890	1876	1876	1861	1861	1861	1861	1861	1861		
Min. mean for month since 1860	21.25	21.61	23.08	20.78	19.09	17.91	17.63	17.51	17.22	17.21	17.07		
Year	1932	1935	1952	1931	1963	1963	1963	1934	1934	1934	1934		
Mean for month - last 10 years	30.13	30.29	25.51	23.66	21.66	20.35	20.02	19.35	19.07	18.81	19.01		
Mean for month - since 1860	32.78	32.26	31.42	29.47	25.79	24.06	22.53	21.56	20.98	20.85	21.09		

MAXIMUM AND MINIMUM MEAN LEVELS TABULATED ABOVE AND SHOWN OVERLEAF ARE THOSE PRIOR TO THE PRESENT YEAR AND MAY HAVE BEEN RECORDED AT LOCATIONS ON THE LAKES OTHER THAN THOSE INDICATED.

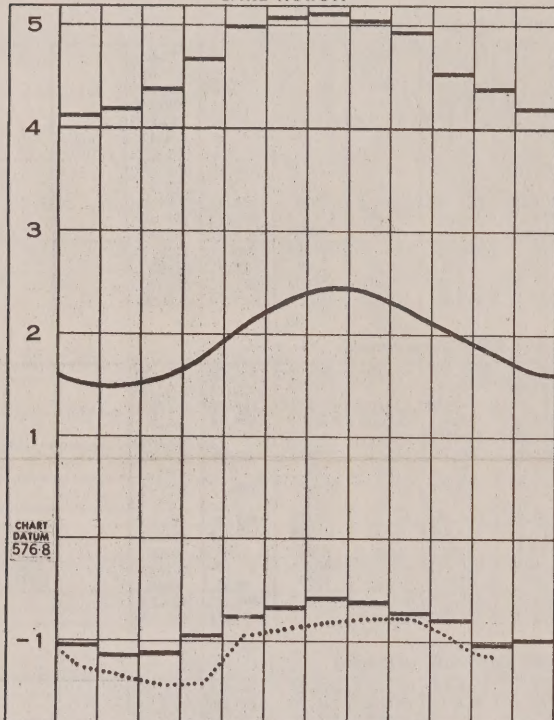
ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955). THE REFERENCE ZERO FOR IGL D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.



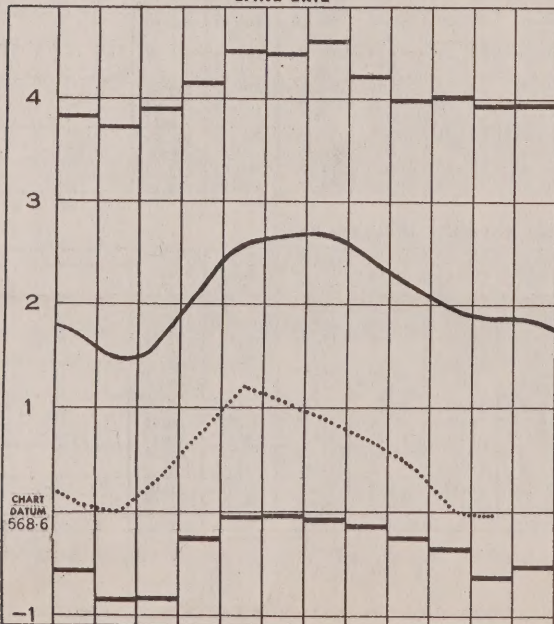
# LAKE SUPERIOR



# LAKE HURON



# LAKE ERIE



W.L. FORM M-174 - REV. 3-64



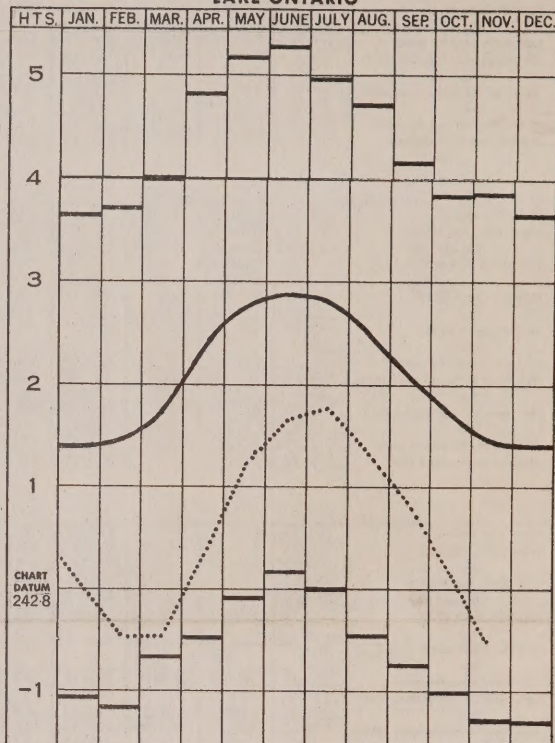
CANADA

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

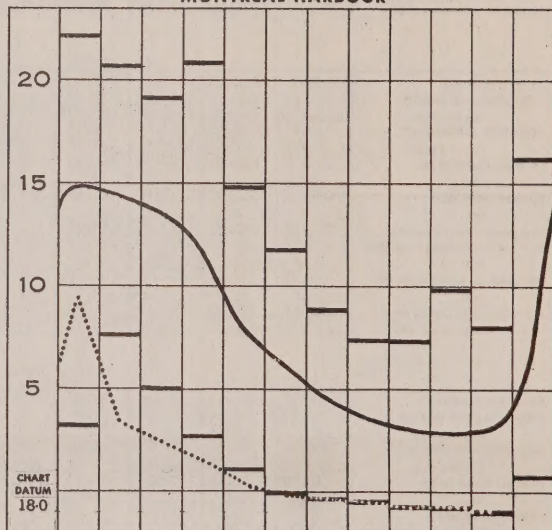
## MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

1964

# LAKE ONTARIO



# MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

## MONTHLY MEAN LEVELS

RECORDED IN PRESENT YEAR .....  
AVERAGE OF ALL RECORDS \_\_\_\_\_  
MAXIMUM FOR ALL RECORDS \_\_\_\_\_  
MINIMUM FOR ALL RECORDS \_\_\_\_\_



LAKE SUPERIOR (at Port Arthur)													
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86	599.67	599.48	599.52	600.20	600.57	600.77	600.83	600.95	600.87	600.62	600.35	600.31
HIGH LEVEL FOR MONTH	600.37	600.11	599.95	600.18	601.44	601.74	601.31	601.69	601.83	601.45	601.06	601.01	
Day and Hour	1-0739	6-1007	2-0454	21-1339	23-2117	26-1026	20-0500	2-1359	26-1912	3/1455	12/0715	16/0450	
LOW LEVEL FOR MONTH	599.34	599.21	599.00	598.95	599.18	599.71	600.22	600.30	600.31	600.34	599.98	599.77	
Day and Hour	21-0912	23-0322	24-2127	7-0903	6-1803	26-0858	6-1220	2-2350	27/0810	4/0118	26/0032	21/1707	
HIGHEST DAILY MEAN	600.05	599.84	599.68	599.78	600.42	600.84	600.87	600.98	601.17	600.13	600.81	600.52	
Day	1	3	13	30	29	29	20	28	16	1	6	9	
LOWEST DAILY MEAN	599.70	599.49	599.30	599.24	599.82	600.37	600.66	600.69	600.81	600.71	600.34	600.17	
Day	26	23	26	7	1	13	8	27	28	26	26	26	
Last year's mean for month	599.74	599.60	599.55	599.76	600.00	600.34	600.42	600.58	600.64	600.54	600.27	600.06	600.13
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27	602.42	601.94	601.85	601.47	
Year	1952	1952	1951	1951	1951	1916	1876	1876	1869	1916	1900	1900	
Min. mean for month since 1860	598.66	598.63	598.40	598.33	598.46	598.79	599.14	599.33	599.52	599.24	599.25	598.95	
Year	1926	1926	1926	1926	1926	1926	1926	1926	1925	1925	1925	1925	
Mean for month - last 10 years	600.08	599.79	599.67	599.73	600.20	600.42	600.64	600.70	600.79	600.71	600.51	600.27	600.28
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45	600.74	600.96	601.04	601.08	601.00	600.82	600.56	600.61

LAKE HURON (at Goderich)													
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	575.56	575.49	575.39	575.39	575.85	575.91	575.98	576.02	576.01	575.84	575.68	575.49	575.72
HIGH LEVEL FOR MONTH	576.49	576.16	576.59	576.08	576.77	576.69	576.72	576.62	576.89	576.95	576.65	576.56	
Day and Hour	10-1932	23-2350	17-1625	15-0643	24-1930	10-0725	29-0230	8-0900	27/1605	4/1008	17/2042	15/0440	
LOW LEVEL FOR MONTH	574.36	574.80	574.42	574.57	575.18	575.36	575.49	575.41	575.35	575.21	574.26	574.54	
Day and Hour	25-0152	25-0622	17-0622	21-1346	9-0254	26-1133	14-0820	28-1255	26/2235	8/0037	28/1047	29/0803	
HIGHEST DAILY MEAN	576.15	575.77	575.72	575.68	576.10	576.16	576.29	576.39	576.41	576.50	576.13	575.96	
Day	10	8	18	23	28	24	29	8	27	4	21	15	
LOWEST DAILY MEAN	575.19	575.24	575.09	575.07	575.53	575.69	575.78	575.69	575.66	575.50	575.00	575.00	
Day	24	29	24	13	6	9	14	22	19	28	28	29	
Last year's mean for month	576.46	576.27	576.25	576.54	576.77	576.82	576.90	576.89	576.64	576.41	576.22	575.92	576.51
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84	581.73	581.33	581.18	580.99	
Year	1886	1886	1886	1886	1886	1886	1876	1876	1876	1876	1876	1887	
Min. mean for month since 1860	575.78	575.66	575.69	575.85	576.04	576.13	576.22	576.18	576.08	576.01	575.77	575.83	
Year	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1934	1933	
Mean for month - last 10 years	577.30	577.20	577.17	577.32	577.64	577.80	577.90	577.85	577.69	577.45	577.28	577.07	577.47
Mean for month - since 1860	578.31	578.27	578.33	578.54	578.85	579.09	579.22	579.17	578.99	578.78	578.58	578.40	578.74

LAKE ERIE (at Port Colborne)													
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	568.71	568.61	568.91	569.35	569.70	569.65	569.49	569.29	569.04	568.66	568.57	568.40	569.03
HIGH LEVEL FOR MONTH	572.25	570.42	573.27	570.96	571.94	570.88	570.63	570.58	571.26	571.13	573.58	570.64	
Day and Hour	10-0617	24-0409	5-1609	8-1720	9-1124	24-1411	13-0515	12-0500	24-0912	21/1920	21/0135	30/2300	
LOW LEVEL FOR MONTH	565.63	567.63	564.22	568.32	568.74	568.87	568.44	568.18	567.98	567.16	566.98	565.74	
Day and Hour	13-0248	6-1817	10-1100	20-0237	13-2039	16-0259	12-1600	21-1353	15-0522	29/1343	27/1945	4/1200	
HIGHEST DAILY MEAN	570.31	569.17	570.81	570.04	570.29	569.95	569.74	569.82	570.02	569.42	570.35	569.52	
Day	10	8	26	8	9	24	13	12	24	9	21	14	
LOWEST DAILY MEAN	566.69	568.12	567.47	568.77	569.39	569.43	568.98	568.97	568.63	568.23	567.95	567.04	
Day	12	6	10	5	31	5	12	27	15	31	27	4	
Last year's mean for month	569.47	568.98	569.26	569.91	570.01	569.99	569.78	569.62	569.21	569.00	569.08	568.93	569.44
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81	572.58	572.63	572.64	572.55	
Year	1863	1863	1863	1952	1862	1860	1862	1862	1861	1861	1861	1861	
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53	568.46	568.35	568.24	567.97	568.07	
Year	1935	1935	1934	1935	1934	1934	1934	1934	1934	1934	1934	1934	
Mean for month - last 10 years	569.88	569.58	569.89	570.39	570.69	570.77	570.72	570.54	570.24	569.95	569.87	569.71	570.20
Mean for month - since 1860	570.31	570.08	570.24	570.76	571.08	571.26	571.27	571.04	570.77	570.55	570.45	570.42	570.71

LAKE ONTARIO (at Kingston)													
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	242.88	242.35	242.35	243.13	244.03	244.45	244.48	244.13	243.67	242.96	242.30	241.80	243.21
HIGH LEVEL FOR MONTH	243.72	242.88	243.22	243.69	244.77	245.09	244.74	244.78	244.20	243.84	243.17	242.45	
Day and Hour	10-0940	4-0719	26-1830	22-1704	27-0001	23-2039	15-0254	13-0004	5/0046	2/2025	21/0505	16/2005	
LOW LEVEL FOR MONTH	242.25	241.92	241.36	242.35	243.47	243.98	244.09	243.74	243.13	242.40	241.70	241.21	
Day and Hour	24-1121	29-0525	10-0951	2-1740	1-0050	16-0127	12-0848	21-1735	30-2353	29/1250	27/2052	27/1810	
HIGHEST DAILY MEAN	243.35	242.70	242.78	243.55	244.42	244.54	244.60	244.33	244.03	243.42	242.57	241.96	
Day	2	4	27	30	27	26	15	1	4	4	1	2	
LOWEST DAILY MEAN	242.53	242.09	241.89	242.62	243.60	244.34	244.35	243.94	243.27	242.55	241.96	241.54	
Day	24	29	30	2	31	31	31	31	30	31	30	4	
Last year's mean for month	243.92	243.39	243.27	244.43	245.31	245.72	245.63	245.45	244.81	244.13	243.61	243.34	244.42
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	246.95	246.51	246.64	246.65	246.44	
Year	1886	1886	1952	1952	1952	1952	1947	1947	1947	1861	1861	1861	
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34	242.05	241.79	241.52	241.50	
Year	1935	1936	1935	1935	1935	1935	1934	1934	1934	1934	1934	1934	
Mean for month - last 10 years	243.83	243.68	243.93	244.72	245.31	245.47	245.27	244.88	244.45	244.02	243.76	243.58	244.41
Mean for month - since 1860	244.19	244.24	244.50	245.11	245.52	245.67	245.59	245.27	244.86	244.49	244.25	244.17	244.84

MONTREAL HARBOUR (at King Edward Pier)													
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	27.45	21.51	20.46	19.46	18.36	17.79	17.66	17.45	17.26	17.32	17.09	18.12	19.16
HIGH LEVEL FOR MONTH	32.89	23.54	23.05	21.20	20.13	18.63	18.59	18.12	17.96	18.09	18.18	20.28	
Day and Hour	15-1835	1-0001	11-0419	18-1600	1-0215	12-0039	11-2117	2-0847	26-0725	24/0744	6/0725	24/0750	
LOW LEVEL FOR MONTH	22.20	20.33	18.57	16.60	17.56	17.04	16.88	16.89	16.62	16.75	16.16	16.63	
Day and Hour	27-0450	10-0511	30-1259	6-1816	26-1215	24-1440	21-1121	4-1213	15-1546	13/0807	16/1247	2/1818	
HIGHEST DAILY MEAN	32.53	23.16	22.93	21.04	19.87	18.15	18.24	17.84	17.54	17.80	17.58	20.01	
Day	15	1	11	1	11	11	11	23	10	22	6	24	
LOWEST DAILY MEAN	22.55	20.61	18.79	16.86	17.78	17.42	17.07	17.09	16.90	17.00	16.36	16.82	
Day	27	25	30	6	26	30	21	15	15	6	14	14	
Last year's mean for month	33.51	30.80	23.64	22.40	19.09	17.91	17.63	17.49	18.16	17.84	18.81	20.40	21.51
Max. mean for month since 1860	40.14	38.66	37.12	38.86	32.79	29.73	26.87	25.39	25.38	25.82	26.05	34.21	
Year	1886	1890	1890	1887	1876	1876	1861	1861	1861	1861	1861	1875	
Min. mean for month since 1860	21.25	21.61	23.08	20.78	19.09	17.91	17.63	17.51	17.22	17.21	17.07	18.73	

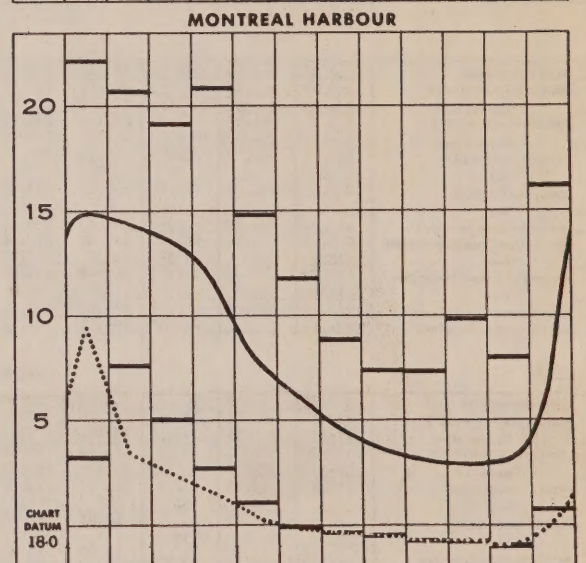
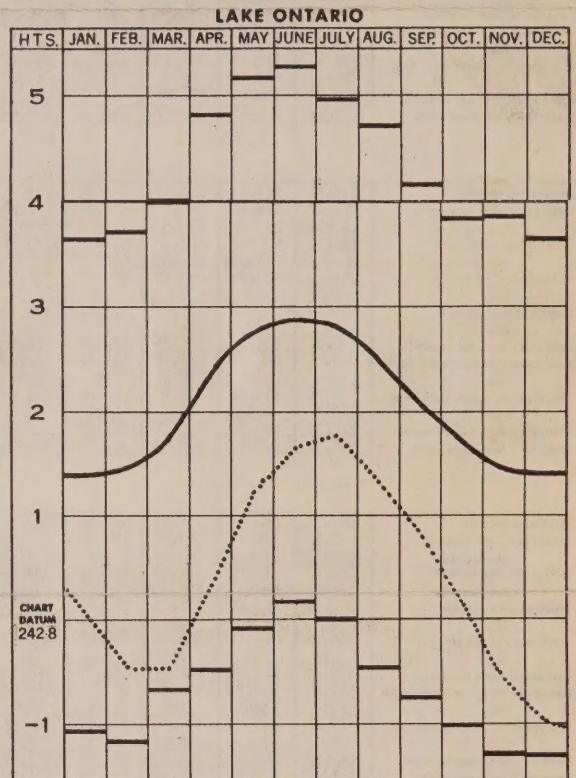
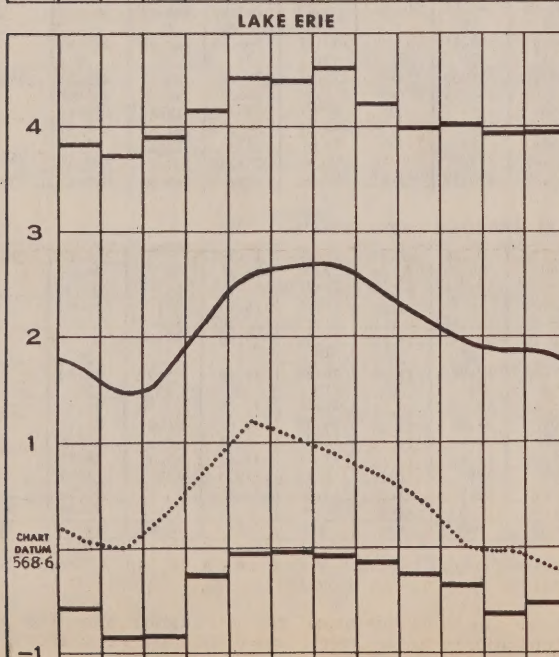
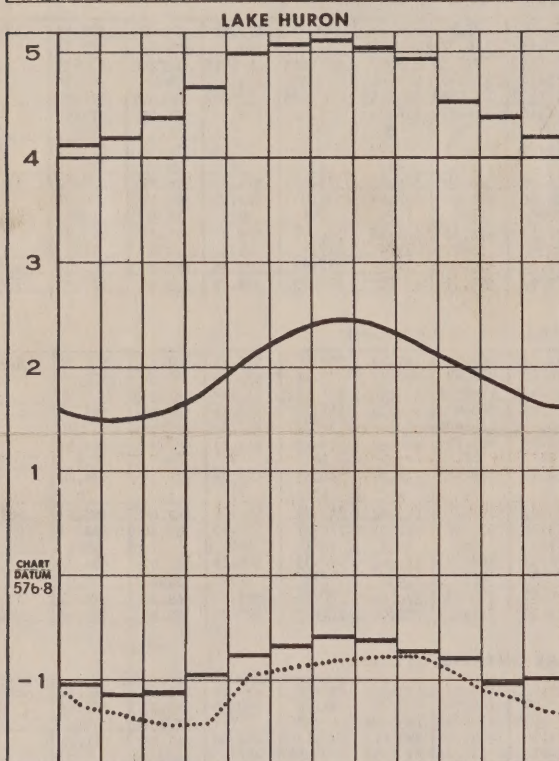
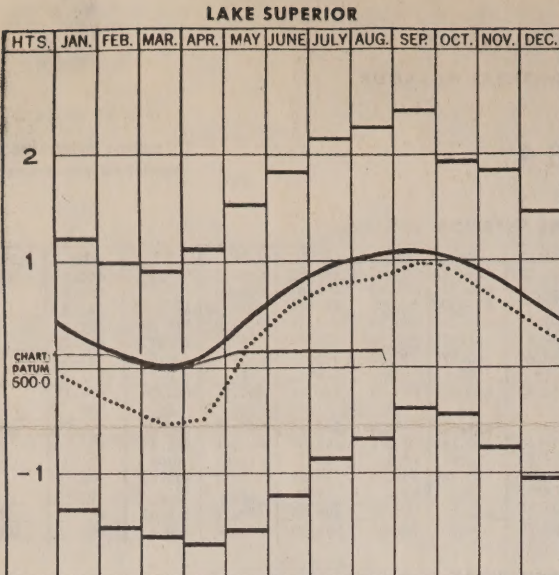




INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

MONTHLY MEAN WATER LEVELS  
GREAT LAKES AND MONTREAL HARBOUR

1964



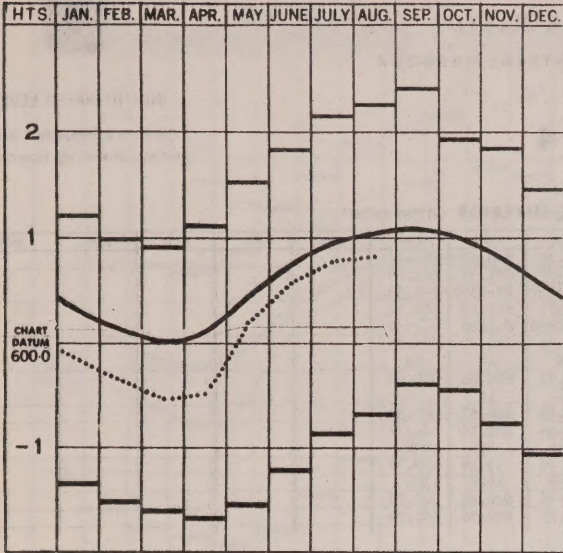
HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

MONTHLY MEAN LEVELS

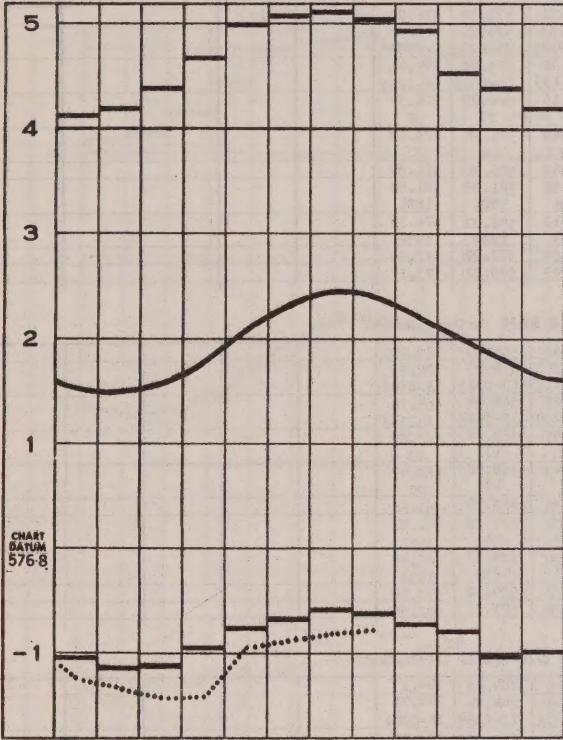
RECORDED IN PRESENT YEAR .....  
AVERAGE OF ALL RECORDS —————  
MAXIMUM FOR ALL RECORDS —————  
MINIMUM FOR ALL RECORDS —————



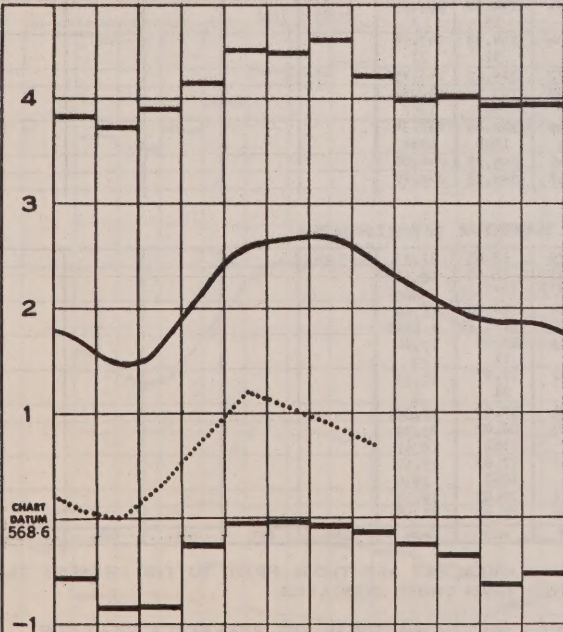
# LAKE SUPERIOR



# LAKE HURON



# LAKE ERIE



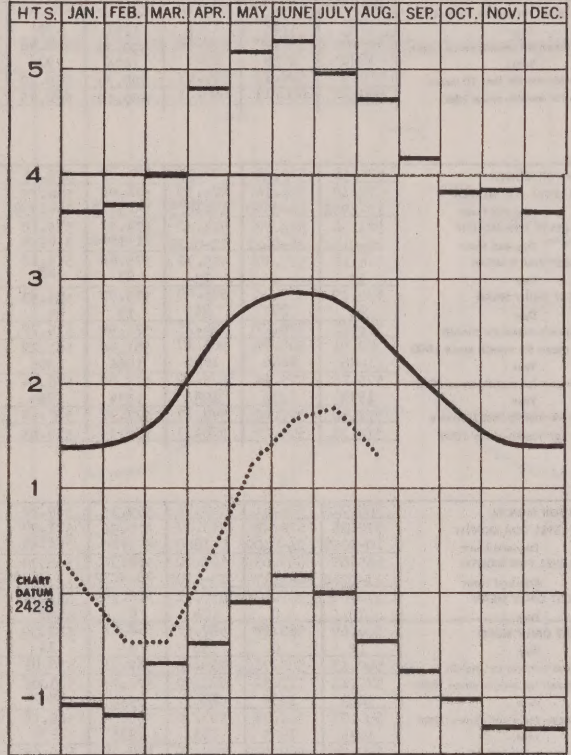
CANADA

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

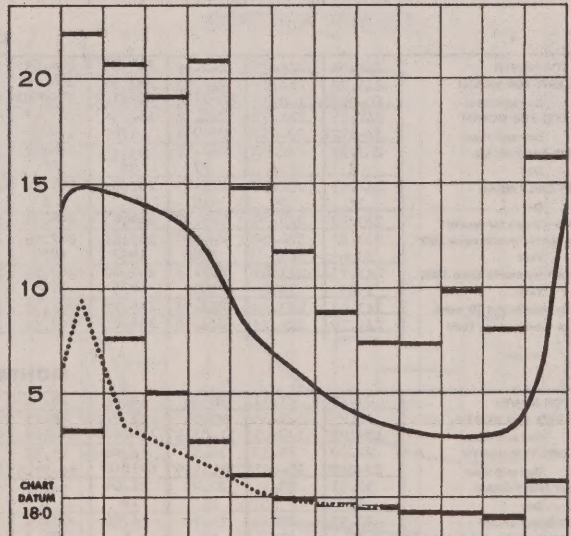
## MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

1964

### LAKE ONTARIO



### MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

### MONTHLY MEAN LEVELS

RECORDED IN PRESENT YEAR .....  
AVERAGE OF ALL RECORDS .....  
MAXIMUM FOR ALL RECORDS .....  
MINIMUM FOR ALL RECORDS .....





WATER LEVELS BULLETIN for the  
GREAT LAKES AND (MONTREAL HARBOUR)  
St. Lawrence River.

1964

INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86	599.67	599.48	599.52	600.20	600.57	600.77	600.83					
HIGH LEVEL FOR MONTH	600.37	600.11	599.95	600.18	601.44	601.74	601.31	601.69					
Day and Hour	1-0739	6-1007	2-0454	21-1339	23-2117	26-1026	20-0500	2-1359					
LOW LEVEL FOR MONTH	599.34	599.21	599.00	598.95	599.18	599.71	600.22	600.30					
Day and Hour	21-0912	23-0322	24-2127	7-0903	6-1803	26-0858	6-1220	2-2350					
HIGHEST DAILY MEAN	600.05	599.84	599.68	599.78	600.42	600.84	600.87	600.98					
Day	1	3	13	30	29	29	20	28					
LOWEST DAILY MEAN	599.70	599.49	599.30	599.24	599.82	600.37	600.66	600.69					
Day	26	23	26	7	1	3	13	8					
Last year's mean for month	599.74	599.60	599.55	599.76	600.00	600.34	600.52	600.58					
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16	602.27					
Year	1952	1952	1951	1951	1951	1916	1876	1876					
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14	599.33					
Year	1926	1926	1926	1926	1926	1926	1926	1926					
Mean for month - last 10 years	600.08	599.79	599.67	599.73	600.20	600.42	600.64	600.70					
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45	600.74	601.04						

LAKE HURON (at Goderich)

MEAN FOR MONTH	575.56	575.49	575.39	575.39	575.85	575.91	575.98	576.02					
HIGH LEVEL FOR MONTH	576.49	576.16	576.59	576.08	576.77	576.69	576.72	576.62					
Day and Hour	10-1932	23-2350	17-1625	15-0643	24-1930	10-0725	29-0230	8-0900					
LOW LEVEL FOR MONTH	574.36	574.80	574.42	574.57	575.18	575.36	575.49	575.41					
Day and Hour	25-0152	25-0622	17-0622	21-1346	9-0254	26-1133	14-0820	28-1255					
HIGHEST DAILY MEAN	576.15	575.77	575.72	575.68	576.10	576.16	576.29	576.39					
Day	10	8	18	23	28	24	29	8					
LOWEST DAILY MEAN	575.19	575.24	575.09	575.07	575.53	575.69	575.78	575.69					
Day	24	29	24	13	6	9	14	22					
Last year's mean for month	576.46	576.27	576.25	576.54	576.77	576.89	576.90	576.89					
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90	581.84					
Year	1886	1886	1886	1886	1886	1886	1876	1876					
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13	576.22	576.18					
Year	1934	1934	1934	1934	1934	1934	1934	1934					
Mean for month - last 10 years	577.30	577.20	577.17	577.32	577.64	577.80	577.90	577.85					
Mean for month - since 1860	578.31	578.27	578.33	578.54	578.85	579.09	579.22	579.17					

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	566.71	566.61	568.91	569.35	569.70	569.65	569.49	569.29					
HIGH LEVEL FOR MONTH	572.25	570.42	573.27	570.96	571.94	570.88	570.63	570.58					
Day and Hour	10-0617	24-0409	5-1609	8-1720	9-1124	24-1411	13-0515	12-0500					
LOW LEVEL FOR MONTH	565.63	567.63	564.22	568.32	568.74	568.87	568.44	568.18					
Day and Hour	13-0248	6-1817	10-1100	20-0237	13-2039	16-0259	12-1600	21-1353					
HIGHEST DAILY MEAN	570.31	569.17	570.81	570.04	570.29	569.95	569.74	569.82					
Day	10	8	26	8	9	24	13	12					
LOWEST DAILY MEAN	566.69	568.12	567.47	568.77	569.39	569.43	568.98	568.97					
Day	12	6	10	5	31	5	12	27					
Last year's mean for month	569.47	568.98	569.26	569.91	570.01	569.99	569.78	569.62					
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16	572.81					
Year	1863	1863	1863	1952	1862	1860	1862	1862					
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53	568.46					
Year	1935	1935	1934	1935	1934	1934	1934	1934					
Mean for month - last 10 years	569.88	569.58	569.89	570.39	570.69	570.77	570.72	570.54					
Mean for month - since 1860	570.31	570.08	570.24	570.76	571.08	571.26	571.27	571.04					

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	242.88	242.35	242.35	243.13	244.03	244.45	244.48	244.13					
HIGH LEVEL FOR MONTH	243.72	242.88	243.22	243.69	244.77	245.09	244.74	244.72					
Day and Hour	10-0906	4-0719	26-1830	22-1704	27-0001	23-2039	15-0254	12-0004					
LOW LEVEL FOR MONTH	242.25	241.92	241.36	242.35	243.47	243.98	244.09	243.74					
Day and Hour	24-1121	29-0525	10-0751	2-1740	1-0050	16-0127	12-0848	21-1735					
HIGHEST DAILY MEAN	243.35	242.70	242.78	243.55	244.42	244.54	244.60	244.33					
Day	2	4	27	30	27	26	15	1					
LOWEST DAILY MEAN	242.53	242.09	241.89	242.62	243.60	244.34	244.35	243.94					
Day	24	29	10	2	1	1	31	21					
Last year's mean for month	243.92	243.39	243.27	244.43	245.31	245.72	245.61	245.45					
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76	247.51					
Year	1866	1866	1952	1952	1952	1952	1947	1947					
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80	242.34					
Year	1935	1936	1935	1935	1935	1935	1934	1934					
Mean for month - last 10 years	243.83	243.68	243.93	244.72	245.31	245.47	245.27	244.98					
Mean for month - since 1860	244.19	244.24	244.50	245.11	245.52	245.67	245.59	245.27					

MONTREAL HARBOUR (at King Edward Pier)

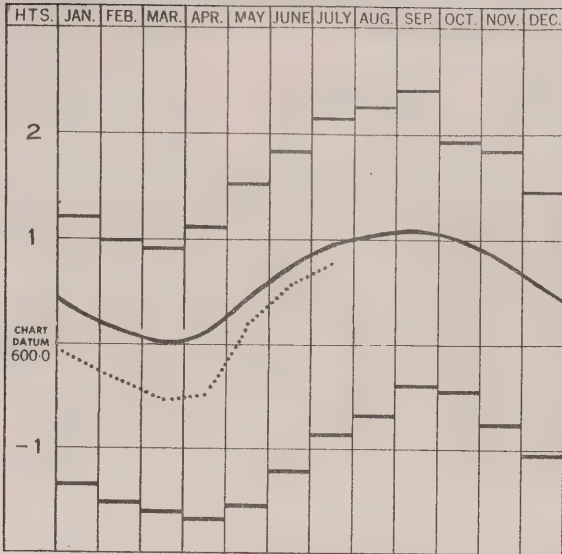
MEAN FOR MONTH	27.45	21.51	20.46	19.46	18.36	17.79	17.66	17.45					
HIGH LEVEL FOR MONTH	32.89	23.54	23.05	21.20	20.13	18.63	18.59	18.12					
Day and Hour	15-1835	1-0001	11-0419	18-1600	1-0215	12-0039	11-2117	2-0847					
LOW LEVEL FOR MONTH	22.20	20.33	18.57	16.60	17.56	17.04	16.88	16.89					
Day and Hour	27-0450	10-0511	30-1259	6-1816	26-1715	24-1440	21-1121	4-1243					
HIGHEST DAILY MEAN	32.53	23.16	22.93	21.04	19.87	18.15	18.24	17.84					
Day	15	1	11	18	1	11	11	23					
LOWEST DAILY MEAN	22.55	20.61	18.79	16.86	17.78	17.42	17.07	17.09					
Day	27	25	30	6	26	30	21	4					
Last year's mean for month	33.51	30.80	23.64	22.40	19.09	17.91	17.63	17.89					
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73	26.87	25.39					
Year	1886	1890	1890	1887	1876	1876	1861	18 61					
Min. mean for month since 1860	21.25	21.61	23.08	20.78	19.09	17.91	17.63	17.51					
Year	1932	1935	1962	1931	1963	1963	1963	1934					
Mean for month - last 10 years	30.13	30.39	25.51	23.66	21.66	20.35	20.02	19.35					
Mean for month - since 1860	32.78	32.26	31.42	29.47	25.79	24.06	22.53	21.56					
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

MAXIMUM AND MINIMUM MEAN LEVELS TABULATED ABOVE AND SHOWN OVERLEAF ARE THOSE PRIOR TO THE PRESENT YEAR AND MAY HAVE BEEN RECORDED AT LOCATIONS ON THE LAKES OTHER THAN THOSE INDICATED.

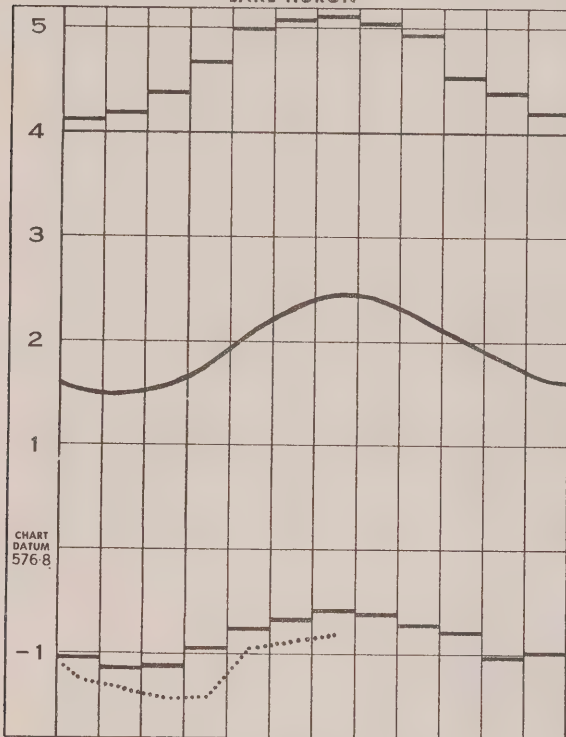
ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955). THE REFERENCE ZERO FOR IGLD (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.



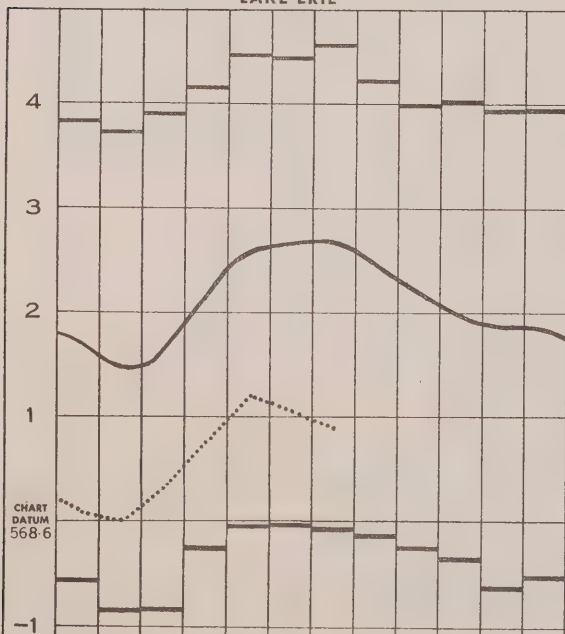
# LAKE SUPERIOR



# LAKE HURON



# LAKE ERIE



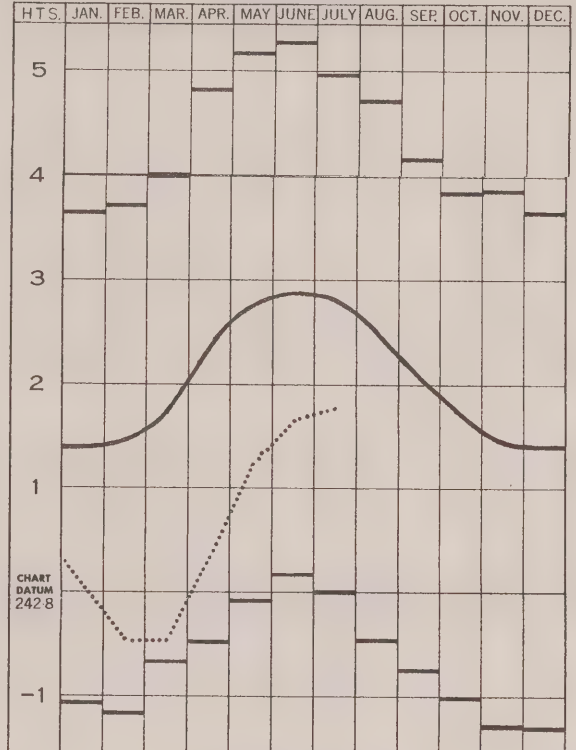
CANADA

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

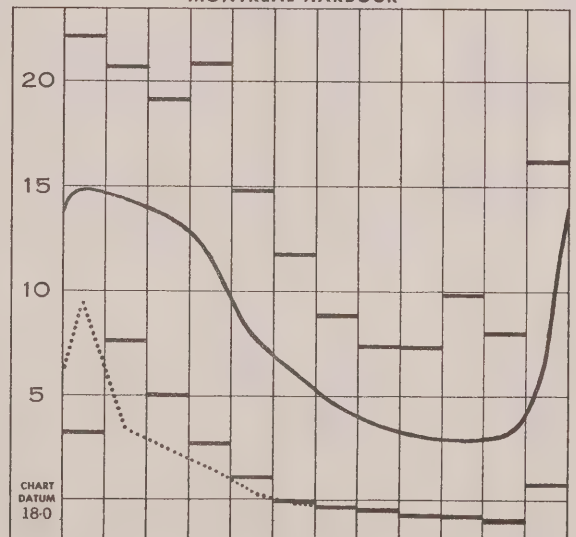
## MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

1964

# LAKE ONTARIO



# MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

## MONTHLY MEAN LEVELS

RECORDED IN PRESENT YEAR .....  
AVERAGE OF ALL RECORDS .....  
MAXIMUM FOR ALL RECORDS .....  
MINIMUM FOR ALL RECORDS .....



Gov. Doc  
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Canada Hydrographic & Mass Service

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WATER LEVEL BULLETIN for the  
GREAT LAKES (AND MONTREAL HARBOUR)  
St. Lawrence River.



INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1964

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86	599.67	599.48	599.52	600.20	600.57	600.77						
HIGH LEVEL FOR MONTH	600.37	600.11	599.95	600.18	601.44	601.74	601.31						
Day and Hour	1-0739	6-1007	2-0454	21-1339	23-2117	26-1026	20-0500						
LOW LEVEL FOR MONTH	599.34	599.21	599.00	598.95	599.18	599.71	600.22						
Day and Hour	21-0912	23-0322	24-2127	7-0903	6-1803	26-0858	6-1220						
HIGHEST DAILY MEAN	600.05	599.84	599.68	599.78	600.42	600.84	600.87						
Day	1	3	13	30	29	29	20						
LOWEST DAILY MEAN	599.70	599.49	599.30	599.24	599.82	600.37	600.66						
Day	26	23	26	7	1	3	13						
Last year's mean for month	599.74	599.60	599.55	599.76	600.00	600.34	600.52						
Max. mean for month since 1860	601.21	600.99	600.92	601.12	601.53	601.84	602.16						
Year	1952	1952	1951	1951	1951	1916	1876						
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79	599.14						
Year	1926	1926	1926	1926	1926	1926	1926						
Mean for month-last 10 years	600.08	599.79	599.67	599.73	600.20	600.42	600.64						
Mean for month-since 1860	600.32	600.13	600.03	600.10	600.45	600.74	600.96						

LAKE HURON (at Goderich)

MEAN FOR MONTH	575.56	575.49	575.39	575.39	575.85	575.91	575.98						
HIGH LEVEL FOR MONTH	576.49	576.16	576.59	576.08	576.77	576.69	576.72						
Day and Hour	10-1932	23-2350	17-1625	15-0643	24-1930	10-0725	29-0230						
LOW LEVEL FOR MONTH	574.36	574.80	574.42	574.57	575.18	575.36	575.49						
Day and Hour	25-0152	25-0622	17-0622	21-1346	9-0254	26-1133	14-0820						
HIGHEST DAILY MEAN	576.15	575.77	575.72	575.68	576.10	576.16	576.29						
Day	10	8	18	23	28	24	29						
LOWEST DAILY MEAN	575.19	575.24	575.09	575.07	575.53	575.69	575.78						
Day	24	29	24	13	6	9	14						
Last year's mean for month	576.46	576.27	576.25	576.54	576.77	576.89	576.90						
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88	581.90						
Year	1886	1886	1886	1886	1886	1886	1876						
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13	576.22						
Year	1934	1934	1934	1934	1934	1934	1934						
Mean for month-last 10 years	577.30	577.20	577.17	577.32	577.64	577.80	577.90						
Mean for month-since 1860	578.21	578.27	578.33	578.54	578.85	579.09	579.22						

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	568.71	568.61	568.91	569.35	569.70	569.65	569.49						
HIGH LEVEL FOR MONTH	572.25	570.42	573.27	570.96	571.94	570.88	570.63						
Day and Hour	10-0617	24-0409	5-1609	8-1720	9-1124	24-1411	13-0515						
LOW LEVEL FOR MONTH	565.63	567.63	564.22	568.32	568.74	568.87	568.44						
Day and Hour	13-0248	6-1817	10-1100	20-0237	13-2039	16-0259	12-1600						
HIGHEST DAILY MEAN	570.31	569.17	570.81	570.04	570.29	569.95	569.74						
Day	10	8	26	8	9	24	13						
LOWEST DAILY MEAN	566.69	568.12	567.47	568.77	569.39	569.43	568.98						
Day	12	6	10	5	31	5	12						
Last year's mean for month	569.47	568.98	569.26	569.91	570.01	569.99	569.78						
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04	573.16						
Year	1863	1863	1863	1952	1862	1860	1862						
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56	568.53						
Year	1935	1935	1934	1935	1934	1934	1934						
Mean for month-last 10 years	569.88	569.58	569.89	570.39	570.69	570.77	570.72						
Mean for month-since 1860	570.31	570.08	570.24	570.76	571.08	571.26	571.27						

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	242.88	242.35	242.35	243.13	244.03	244.45	244.48						
HIGH LEVEL FOR MONTH	243.72	242.88	243.22	243.69	244.77	245.09	244.74						
Day and Hour	10-0940	4-0719	20-1830	22-1704	27-0001	23-2039	15-0254						
LOW LEVEL FOR MONTH	242.25	241.92	241.36	242.35	243.47	243.98	244.09						
Day and Hour	21-1121	29-0525	10-0951	2-1740	1-0050	16-0127	12-0848						
HIGHEST DAILY MEAN	243.35	242.70	242.78	243.55	244.42	244.54	244.60						
Day	2	4	27	30	27	26	15						
LOWEST DAILY MEAN	242.53	242.09	241.89	242.62	243.60	244.34	244.35						
Day	24	29	10	2	1	1	31						
Last year's mean for month	243.92	243.39	243.27	244.43	245.31	245.72	245.63						
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07	247.76						
Year	1866	1886	1952	1952	1952	1952	1947						
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97	242.80						
Year	1935	1936	1935	1935	1935	1935	1934						
Mean for month-last 10 years	243.83	243.68	243.93	244.72	245.31	245.47	245.27						
Mean for month-since 1860	244.19	244.24	244.50	245.11	245.52	245.67	245.59						

MONTREAL HARBOUR (at King Edward Pier)

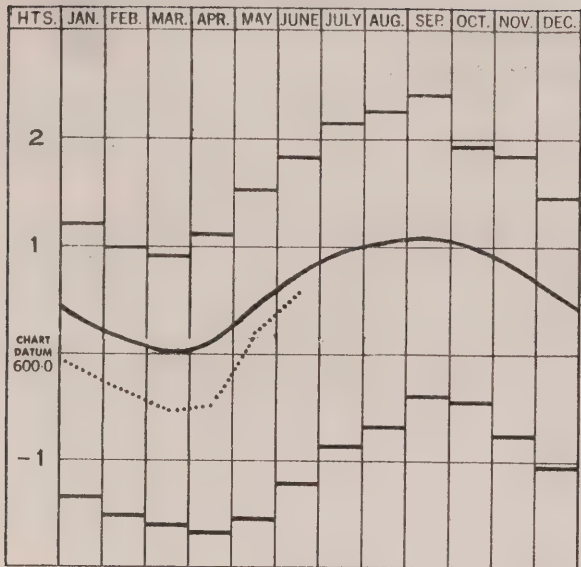
MEAN FOR MONTH	27.45	21.51	20.46	19.46	18.36	17.79	17.66						
HIGH LEVEL FOR MONTH	32.69	23.54	23.05	21.20	20.13	18.63	18.59						
Day and Hour	15-1835	1-0001	11-0419	18-1600	1-0215	12-0039	11-2117						
LOW LEVEL FOR MONTH	22.20	20.33	18.57	16.60	17.56	17.04	16.88						
Day and Hour	27-0450	10-0511	30-1259	6-1816	26-1215	24-1440	21-1121						
HIGHEST DAILY MEAN	32.53	23.16	22.93	21.04	19.87	18.15	18.24						
Day	15	1	11	18	1	11	11						
LOWEST DAILY MEAN	27.55	20.61	18.79	16.86	17.78	17.42	17.07						
Day	27	25	30	6	26	30	21						
Last year's mean for month	32.51	30.80	23.64	22.40	19.09	17.91	17.63						
Max. mean for month since 1860	40.14	38.66	37.12	28.84	32.79	29.73	26.87						
Year	1886	1890	1890	1887	1876	1876	1861						
Min. mean for month since 1860	21.25	21.61	23.08	20.78	19.09	17.91	17.63						
Year	1932	1935	1962	1931	1963	1963	1963						
Mean for month-last 10 years	30.13	30.39	25.51	23.66	21.66	20.35	20.02						
Mean for month-since 1860	32.78	32.26	31.42	29.47	25.79	24.06	22.53						
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

MAXIMUM AND MINIMUM MEAN LEVELS TABULATED ABOVE AND SHOWN OVERLEAF ARE THOSE PRIOR TO THE PRESENT YEAR AND MAY HAVE BEEN RECORDED AT LOCATIONS ON THE LAKES OTHER THAN THOSE INDICATED.

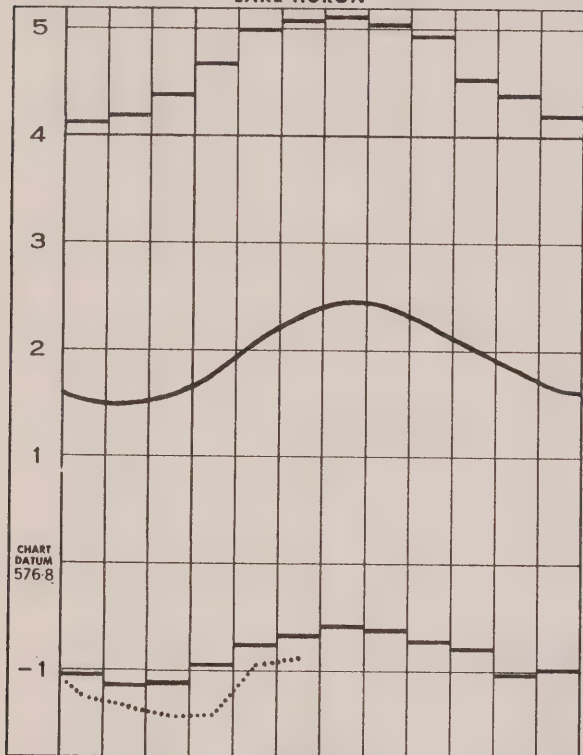
ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955). THE REFERENCE ZERO FOR IGL D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.



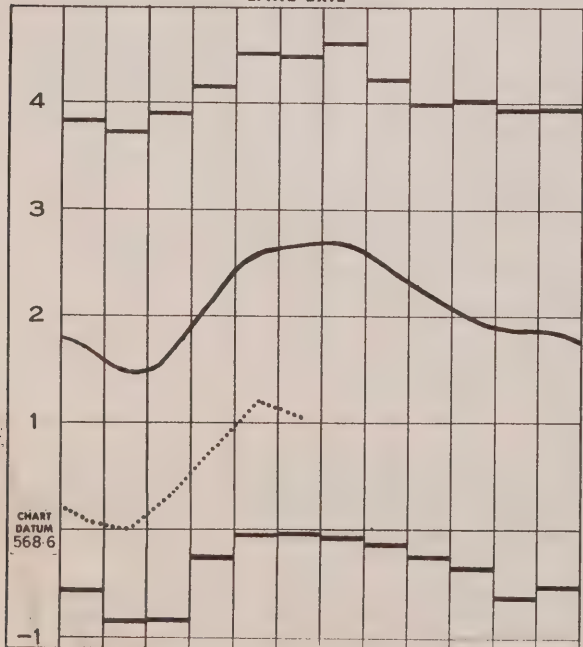
# LAKE SUPERIOR



# LAKE HURON



# LAKE ERIE



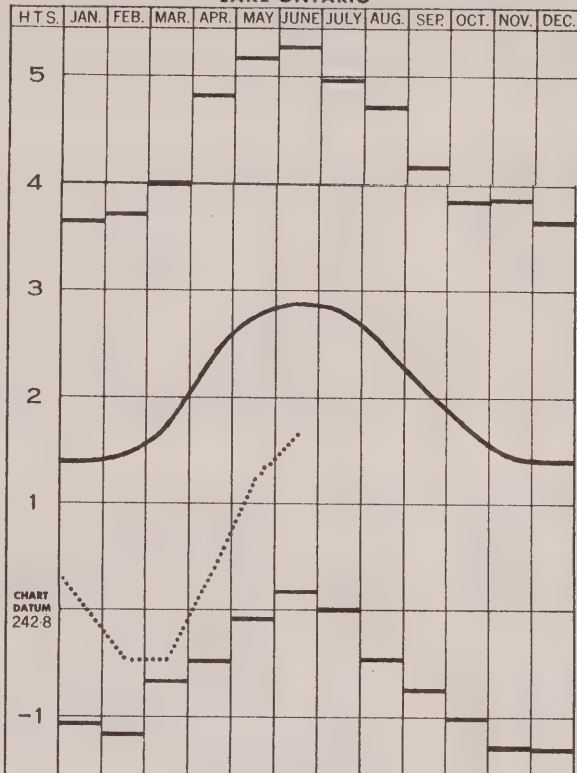
CANADA

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

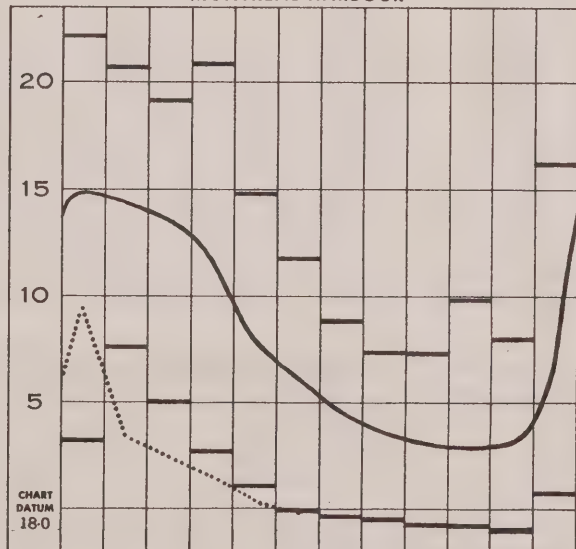
## MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

1964

# LAKE ONTARIO



# MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

### MONTHLY MEAN LEVELS

RECORDED IN PRESENT YEAR .....  
AVERAGE OF ALL RECORDS \_\_\_\_\_  
MAXIMUM FOR ALL RECORDS \_\_\_\_\_  
MINIMUM FOR ALL RECORDS \_\_\_\_\_



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**WATER LEVEL BULLETIN** for the  
**GREAT LAKES AND (MONTREAL HARBOUR)**  
*St. Lawrence River,*  
**1964**



INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

**LAKE SUPERIOR** (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86	599.67	599.48	599.52	600.20	600.57							
HIGH LEVEL FOR MONTH	600.37	600.11	599.95	600.18	601.44	601.74							
Day and Hour	1-0739	6-1007	2-0454	21-1339	23-2117	26-1026							
LOW LEVEL FOR MONTH	599.34	599.21	599.00	598.95	599.18	599.71							
Day and Hour	21-0912	23-0322	24-2127	7-0903	6-1803	26-0858							
HIGHEST DAILY MEAN	600.05	599.84	599.63	599.78	600.42	600.84							
Day	1	3	13	30	29	29							
LOWEST DAILY MEAN	599.70	599.49	599.30	599.24	599.82	600.37							
Day	26	23	26	7	1	3							
Last year's mean for month	599.74	599.60	599.55	599.76	600.00	600.34							
Max. mean for month since 1860	601.21	600.97	600.92	601.12	601.53	601.84							
Year	1952	1952	1951	1951	1951	1916							
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46	598.79							
Year	1926	1926	1926	1926	1926	1926							
Mean for month - last 10 years	600.06	599.79	599.67	599.73	600.20	600.42							
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45	600.74							

**LAKE HURON** (at Goderich)

MEAN FOR MONTH	575.56	575.49	575.39	575.39	575.85	575.91							
HIGH LEVEL FOR MONTH	576.49	576.16	576.59	576.08	576.77	576.69							
Day and Hour	10-1932	23-2250	17-1625	15-0643	24-1930	10-0725							
LOW LEVEL FOR MONTH	574.36	574.80	574.42	574.57	575.18	575.36							
Day and Hour	25-0152	25-0622	17-0622	21-1346	9-0254	26-1133							
HIGHEST DAILY MEAN	576.15	575.77	575.72	575.68	576.10	576.16							
Day	10	8	18	23	28	24							
LOWEST DAILY MEAN	575.19	575.24	575.09	575.07	575.53	575.69							
Day	24	29	24	13	6	9							
Last year's mean for month	576.46	576.27	576.25	576.54	576.77	576.89							
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79	581.88							
Year	1886	1886	1886	1886	1886	1886							
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04	576.13							
Year	1934	1934	1934	1934	1934	1934							
Mean for month - last 10 years	577.30	577.20	577.17	577.32	577.64	577.80							
Mean for month - since 1860	576.21	576.27	576.23	576.54	576.85	579.09							

**LAKE ERIE** (at Port Colborne)

MEAN FOR MONTH	568.71	568.61	568.91	569.35	569.70	569.65							
HIGH LEVEL FOR MONTH	572.25	570.42	573.27	570.96	571.94	570.88							
Day and Hour	10-0617	24-0405	5-1609	8-1720	9-1124	24-1411							
LOW LEVEL FOR MONTH	565.63	567.63	564.22	568.32	568.74	568.87							
Day and Hour	13-0248	6-1817	10-1100	20-0237	13-2039	16-0259							
HIGHEST DAILY MEAN	570.31	569.17	570.81	570.04	570.29	569.95							
Day	10	8	26	8	9	24							
LOWEST DAILY MEAN	566.69	568.12	567.47	568.77	569.39	569.43							
Day	12	6	10	5	31	5							
Last year's mean for month	569.47	568.98	569.26	569.91	570.01	569.99							
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06	573.04							
Year	1863	1863	1863	1952	1862	1860							
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55	568.56							
Year	1935	1935	1934	1935	1934	1934							
Mean for month - last 10 years	569.88	569.58	569.89	570.39	570.69	570.77							
Mean for month - since 1860	570.31	570.08	570.24	570.76	571.08	571.26							

**LAKE ONTARIO** (at Kingston)

MEAN FOR MONTH	242.88	242.35	242.35	243.13	244.03	244.45							
HIGH LEVEL FOR MONTH	243.72	242.88	243.22	243.69	244.77	245.09							
Day and Hour	10-0940	4-0719	26-1830	22-1704	27-0001	23-2039							
LOW LEVEL FOR MONTH	242.25	241.92	241.36	242.35	243.47	243.98							
Day and Hour	24-1121	29-0525	10-0951	2-1740	1-0050	16-0127							
HIGHEST DAILY MEAN	243.35	242.70	242.78	243.55	244.42	244.54							
Day	2	4	27	30	27	26							
LOWEST DAILY MEAN	242.53	242.09	241.89	242.62	243.60	244.34							
Day	24	29	10	2	1	1							
Last year's mean for month	243.92	243.39	243.27	244.43	245.31	245.72							
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96	248.07							
Year	1866	1886	1952	1952	1952	1952							
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72	242.97							
Year	1935	1936	1935	1935	1935	1935							
Mean for month - last 10 years	243.83	243.68	243.93	244.72	245.31	245.47							
Mean for month - since 1860	244.19	244.24	244.50	245.11	245.52	245.67							

**MONTREAL HARBOUR** (at King Edward Pier)

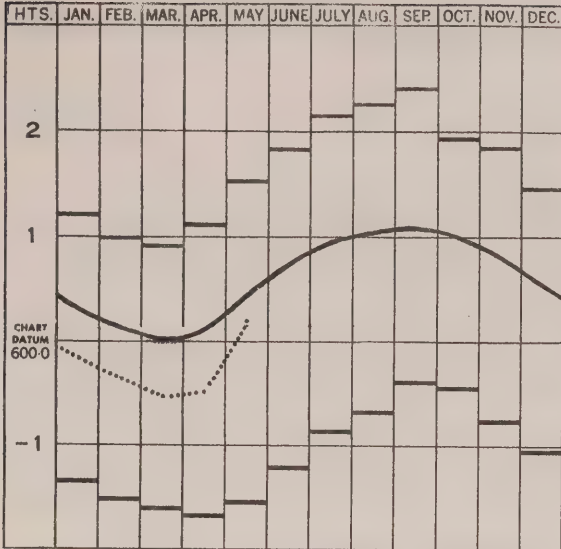
MEAN FOR MONTH	27.45	21.51	20.46	19.46	18.36	17.79							
HIGH LEVEL FOR MONTH	32.89	23.54	23.05	21.20	20.13	18.63							
Day and Hour	15-1833	1-0001	11-0419	18-1600	1-0215	12-0039							
LOW LEVEL FOR MONTH	22.20	20.33	18.57	16.60	17.56	17.04							
Day and Hour	27-0450	10-0511	30-1259	6-1816	26-1715	24-1440							
HIGHEST DAILY MEAN	32.53	23.16	22.93	21.04	19.87	18.15							
Day	15	1	11	18	1	11							
LOWEST DAILY MEAN	22.55	20.61	18.79	16.86	17.78	17.42							
Day	27	25	30	6	26	30							
Last year's mean for month	33.51	30.80	23.64	22.40	19.09	17.91							
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79	29.73							
Year	1886	1890	1890	1887	1876	1876							
Min. mean for month since 1860	21.25	21.61	23.08	20.78	19.09	17.91							
Year	1932	1935	1962	1931	1963	1963							
Mean for month - last 10 years	30.13	30.39	25.51	23.66	21.66	20.35							
Mean for month - since 1860	32.78	32.26	31.42	29.47	25.79	24.06							
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

MAXIMUM AND MINIMUM MEAN LEVELS TABULATED ABOVE AND SHOWN OVERLEAF ARE THOSE PRIOR TO THE PRESENT YEAR AND MAY HAVE BEEN RECORDED AT LOCATIONS ON THE LAKES OTHER THAN THOSE INDICATED.

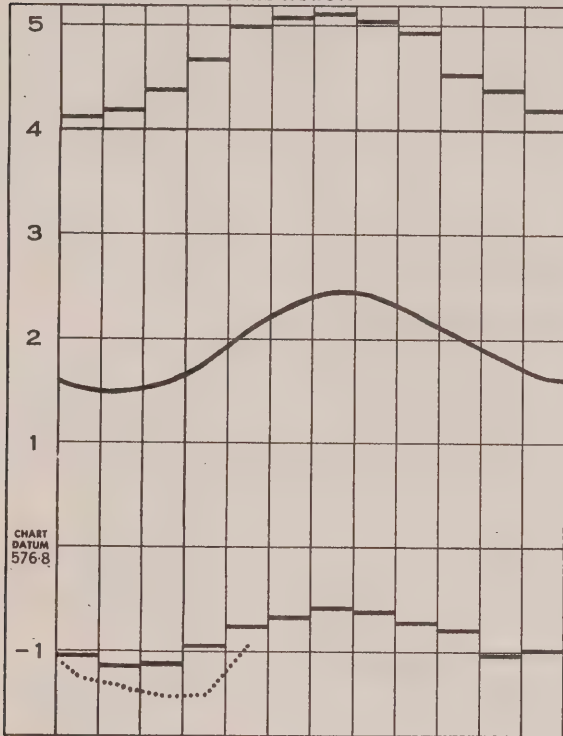
ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955). THE REFERENCE ZERO FOR IGLD (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.



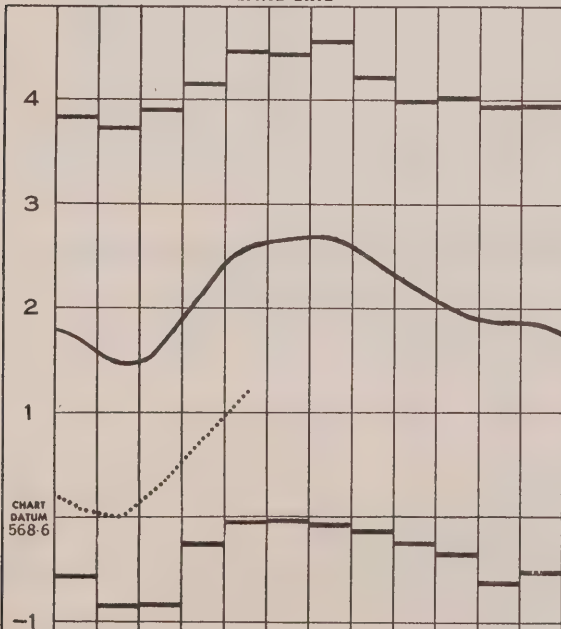
# LAKE SUPERIOR



# LAKE HURON



# LAKE ERIE



W.L. FORM M-174 - REV. 3-64.



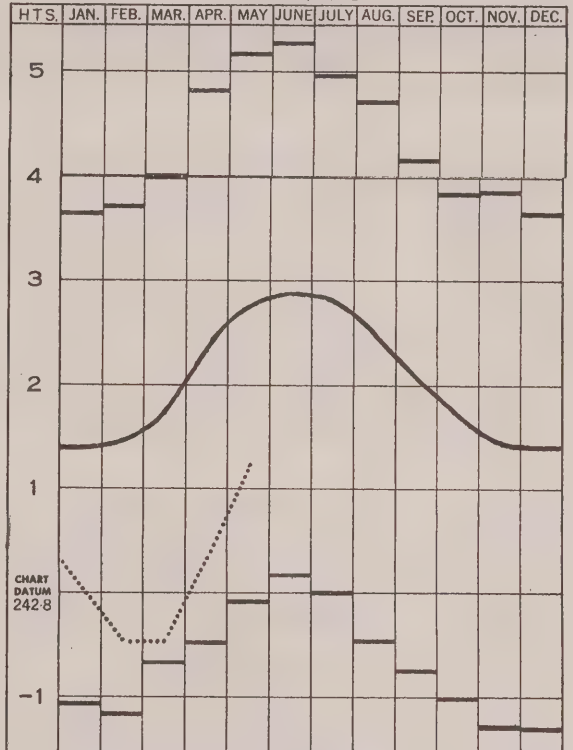
CANADA

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

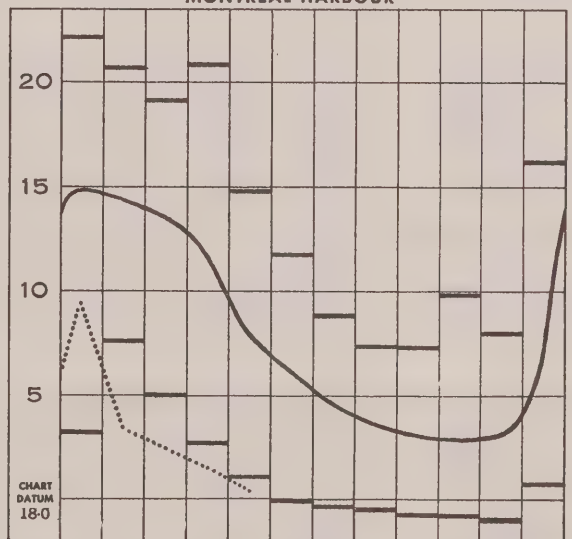
## MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

1964

### LAKE ONTARIO



### MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

### MONTHLY MEAN LEVELS

RECORDED IN PRESENT YEAR .....  
AVERAGE OF ALL RECORDS \_\_\_\_\_  
MAXIMUM FOR ALL RECORDS \_\_\_\_\_  
MINIMUM FOR ALL RECORDS \_\_\_\_\_



WATER LEVEL BULLETIN  
GREAT LAKES AND MONTREAL HARBOUR



INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1964

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86	599.67	599.48	599.52	600.20								
HIGH LEVEL FOR MONTH	600.37	600.11	599.95	600.18	601.44								
Day and Hour	1-0739	6-1007	2-0454	21-1339	23-2117								
LOW LEVEL FOR MONTH	599.34	599.21	599.00	598.95	599.18								
Day and Hour	21-0912	23-0322	24-2127	7-0903	6-1803								
HIGHEST DAILY MEAN	600.05	599.87	599.68	599.78	600.42								
Day	1	3	13	30	29								
LOWEST DAILY MEAN	599.70	599.49	599.30	599.24	599.82								
Day	26	23	26	7	1								
Last year's mean for month	599.74	599.60	599.55	599.76	600.00								
Max. mean for month since 1860	601.21	600.97	600.92	601.12	601.53								
Year	1952	1952	1951	1951	1951								
Min. mean for month since 1860	598.66	598.48	598.40	598.33	598.46								
Year	1926	1926	1926	1926	1926								
Mean for month - last 10 years	600.08	599.79	599.67	599.73	600.20								
Mean for month - since 1860	600.32	600.13	600.03	600.10	600.45								

LAKE HURON (at Goderich)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	575.56	575.49	575.39	575.39	575.85								
HIGH LEVEL FOR MONTH	576.49	576.16	576.59	576.08	576.77								
Day and Hour	10-1932	23-2350	17-1625	15-0643	24-1930								
LOW LEVEL FOR MONTH	574.36	574.80	574.42	574.57	575.18								
Day and Hour	25-0152	25-0622	17-0622	21-1346	9-0254								
HIGHEST DAILY MEAN	576.15	575.77	575.72	575.68	576.10								
Day	10	8	18	23	28								
LOWEST DAILY MEAN	575.19	575.24	575.09	575.07	575.53								
Day	24	29	24	13	6								
Last year's mean for month	576.46	576.27	576.25	576.54	576.77								
Max. mean for month since 1860	580.91	580.98	581.17	581.46	581.79								
Year	1886	1886	1886	1886	1886								
Min. mean for month since 1860	575.76	575.66	575.69	575.85	576.04								
Year	1934	1934	1934	1934	1934								
Mean for month - last 10 years	577.30	577.20	577.17	577.32	577.64								
Mean for month - since 1860	578.31	578.27	578.33	578.54	578.85								

LAKE ERIE (at Port Colborne)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	568.71	568.61	568.91	569.35	569.70								
HIGH LEVEL FOR MONTH	572.25	570.42	573.27	570.96	571.94								
Day and Hour	10-0617	24-0409	5-1609	8-1720	9-1124								
LOW LEVEL FOR MONTH	565.63	567.63	564.22	568.32	568.74								
Day and Hour	13-0248	6-1817	10-1100	20-0237	13-2039								
HIGHEST DAILY MEAN	570.31	569.17	570.81	570.04	570.29								
Day	10	8	26	8	9								
LOWEST DAILY MEAN	566.69	568.12	567.47	568.77	569.39								
Day	12	6	10	5	31								
Last year's mean for month	569.47	568.98	569.26	569.91	570.01								
Max. mean for month since 1860	572.44	572.32	572.50	572.75	573.06								
Year	1863	1863	1863	1952	1862								
Min. mean for month since 1860	568.03	567.75	567.76	568.34	568.55								
Year	1935	1935	1934	1935	1934								
Mean for month - last 10 years	569.88	569.58	569.89	570.39	570.69								
Mean for month - since 1860	570.31	570.08	570.24	570.76	571.08								

LAKE ONTARIO (at Kingston)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	242.88	242.35	242.35	243.13	244.03								
HIGH LEVEL FOR MONTH	243.72	242.88	243.22	243.69	244.77								
Day and Hour	10-0940	4-0719	26-1830	22-1704	27-0001								
LOW LEVEL FOR MONTH	242.25	241.92	241.36	242.35	243.47								
Day and Hour	24-1123	29-0529	10-0951	2-1740	1-0050								
HIGHEST DAILY MEAN	243.35	242.70	242.78	243.55	244.42								
Day	2	4	27	30	27								
LOWEST DAILY MEAN	242.53	242.09	241.89	242.62	243.60								
Day	24	29	10	2	1								
Last year's mean for month	243.92	243.39	243.27	244.43	245.31								
Max. mean for month since 1860	246.43	246.50	246.79	247.61	247.96								
Year	1886	1886	1952	1952	1952								
Min. mean for month since 1860	241.73	241.63	242.13	242.42	242.72								
Year	1935	1936	1935	1935	1935								
Mean for month - last 10 years	243.83	243.68	243.93	244.72	245.31								
Mean for month - since 1860	244.19	244.24	244.50	245.11	245.52								

MONTREAL HARBOUR (at King Edward Pier)

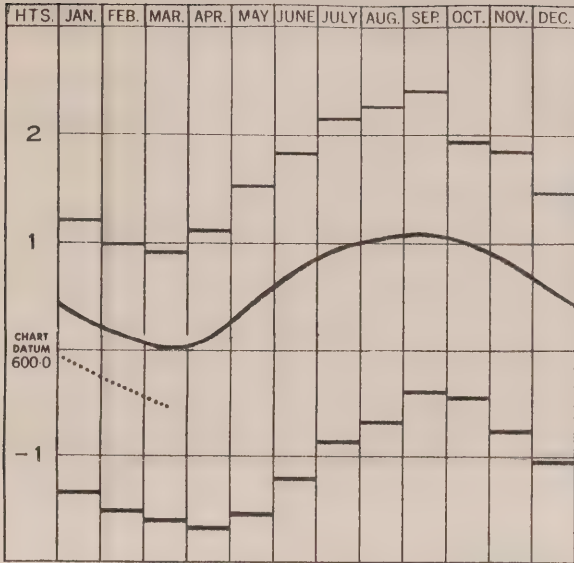
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	27.45	21.51	20.46	19.46	18.36								
HIGH LEVEL FOR MONTH	32.89	23.54	23.05	21.20	20.13								
Day and Hour	15-1833	1-0001	11-0419	18-1600	1-0215								
LOW LEVEL FOR MONTH	22.20	20.33	18.57	16.60	17.56								
Day and Hour	27-0450	10-0511	30-1259	6-1816	26-1715								
HIGHEST DAILY MEAN	32.53	23.16	22.93	21.04	19.87								
Day	15	1	11	18	1								
LOWEST DAILY MEAN	22.55	20.61	18.79	16.86	17.78								
Day	27	25	30	6	26								
Last year's mean for month	33.51	30.80	23.64	22.40	19.09								
Max. mean for month since 1860	40.14	38.66	37.12	38.84	32.79								
Year	1886	1890	1890	1887	1876								
Min. mean for month since 1860	21.25	21.61	23.08	20.78	19.09								
Year	1932	1935	1962	1931	1963								
Mean for month - last 10 years	30.13	30.39	25.51	23.66	21.66								
Mean for month - since 1860	32.78	32.26	31.42	29.47	25.79								

MAXIMUM AND MINIMUM MEAN LEVELS TABULATED ABOVE AND SHOWN OVERLEAF ARE THOSE PRIOR TO THE PRESENT YEAR AND MAY HAVE BEEN RECORDED AT LOCATIONS ON THE LAKES OTHER THAN THOSE INDICATED.

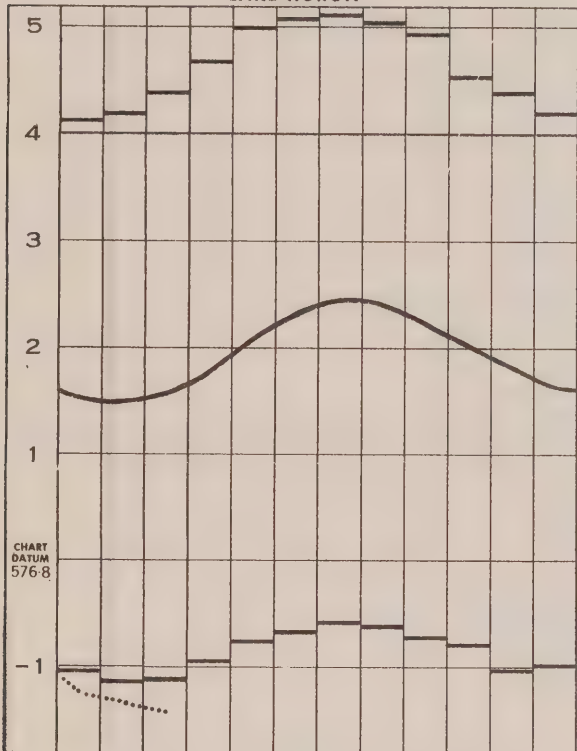
ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955). THE REFERENCE ZERO FOR IGLD (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.



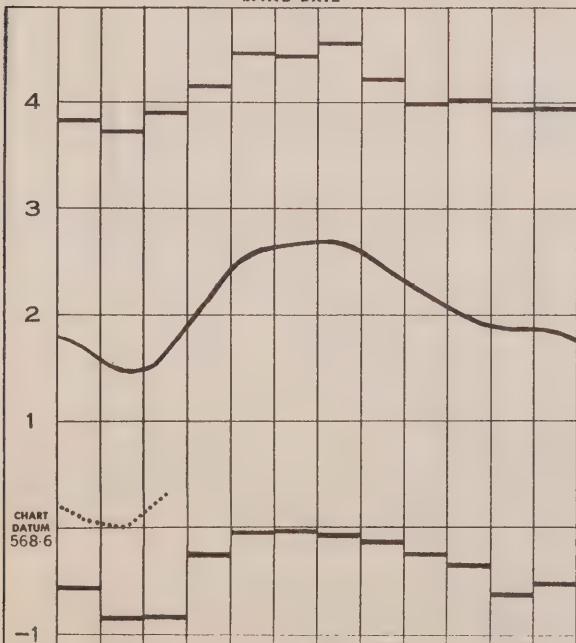
# LAKE SUPERIOR



# LAKE HURON



# LAKE ERIE



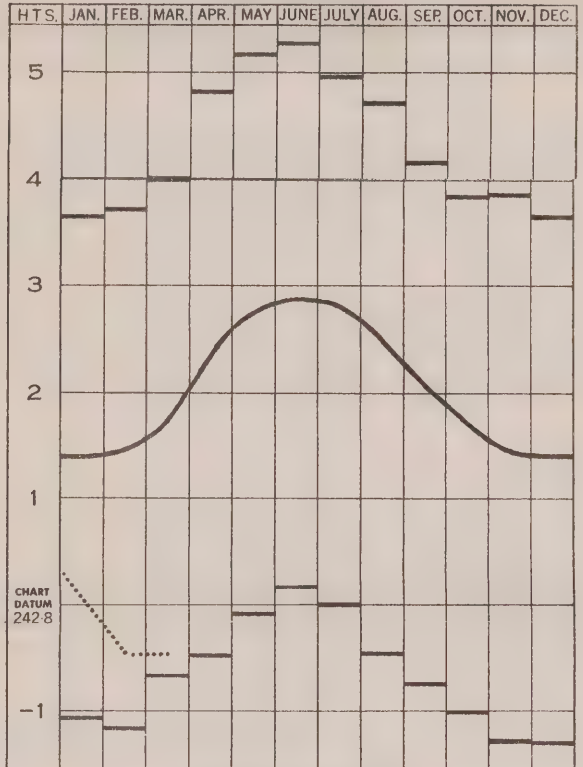
CANADA

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

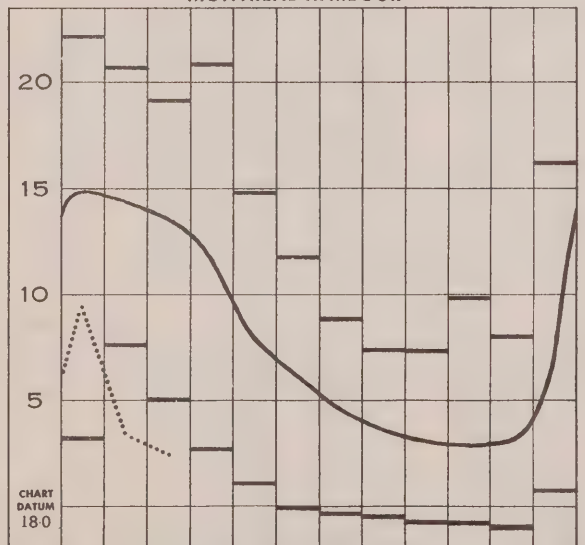
## MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

1964

# LAKE ONTARIO



# MONTREAL HARBOUR



HEIGHTS ARE IN FEET REFERRED TO CHART DATUM.

## MONTHLY MEAN LEVELS

RECORDED IN PRESENT YEAR .....  
AVERAGE OF ALL RECORDS —————  
MAXIMUM FOR ALL RECORDS ————  
MINIMUM FOR ALL RECORDS ————



WATER LEVEL BULLETIN  
GREAT LAKES AND (MONTREAL HARBOUR)



INLAND WATER LEVELS

CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

1964

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86	599.67	599.48										
HIGH LEVEL FOR MONTH	600.37	600.11	599.95										
Day and Hour	1-0739	6-1007	2-0454										
LOW LEVEL FOR MONTH	599.34	599.21	599.00										
Day and Hour	21-0912	23-0322	24-2127										
HIGHEST DAILY MEAN	600.05	599.84	599.68										
Day	1	3	13										
LOWEST DAILY MEAN	599.70	599.49	599.30										
Day	26	23	26										
Last year's mean for month	599.74	599.60	599.55										
Max. mean for month since 1860	601.21	600.99	600.92										
Year	1952	1952	1951										
Min. mean for month since 1860	598.66	598.48	598.40										
Year	1926	1926	1926										
Mean for month-last 10 years	600.08	599.79	599.67										
Mean for month-since 1860	600.32	600.13	600.03										

LAKE HURON (at Goderich)

MEAN FOR MONTH	575.56	575.49	575.39										
HIGH LEVEL FOR MONTH	576.49	576.16	576.59										
Day and Hour	10-1932	23-2350	17-1625										
LOW LEVEL FOR MONTH	574.36	574.80	574.42										
Day and Hour	25-0152	25-0622	17-0622										
HIGHEST DAILY MEAN	576.15	575.77	575.72										
Day	10	8	18										
LOWEST DAILY MEAN	575.19	575.24	575.09										
Day	24	29	24										
Last year's mean for month	576.46	576.27	576.25										
Max. mean for month since 1860	580.91	580.98	581.17										
Year	1886	1886	1886										
Min. mean for month since 1860	575.56	575.49	575.69										
Year	1964	1964	1934										
Mean for month-last 10 years	577.30	577.20	577.17										
Mean for month-since 1860	578.31	578.27	578.33										

LAKE ERIE (at Port Colborne)

MEAN FOR MONTH	568.71	568.61	568.91										
HIGH LEVEL FOR MONTH	572.25	570.42	573.27										
Day and Hour	10-0617	24-0409	5-1609										
LOW LEVEL FOR MONTH	565.63	567.63	564.22										
Day and Hour	13-0248	6-1817	10-1100										
HIGHEST DAILY MEAN	570.31	569.17	570.81										
Day	10	8	26										
LOWEST DAILY MEAN	566.69	568.12	567.47										
Day	12	6	10										
Last year's mean for month	569.47	568.98	569.26										
Max. mean for month since 1860	572.44	572.32	572.50										
Year	1863	1863	1863										
Min. mean for month since 1860	568.03	567.75	567.76										
Year	1935	1935	1934										
Mean for month-last 10 years	569.88	569.58	569.89										
Mean for month-since 1860	570.31	570.08	570.24										

LAKE ONTARIO (at Kingston)

MEAN FOR MONTH	242.88	242.35	242.33										
HIGH LEVEL FOR MONTH	243.72	242.88	243.22										
Day and Hour	10-0940	4-0719	26-1830										
LOW LEVEL FOR MONTH	242.25	241.92	241.36										
Day and Hour	24-1121	29-0525	10-0951										
HIGHEST DAILY MEAN	243.35	242.70	242.78										
Day	2	4	27										
LOWEST DAILY MEAN	242.53	242.09	241.89										
Day	24	29	10										
Last year's mean for month	243.92	243.39	243.27										
Max. mean for month since 1860	246.43	246.50	246.79										
Year	1886	1886	1952										
Min. mean for month since 1860	241.73	241.63	242.13										
Year	1935	1936	1935										
Mean for month-last 10 years	243.83	243.68	243.93										
Mean for month-since 1860	244.19	244.24	244.50										

MONTREAL HARBOUR (at King Edward Pier)

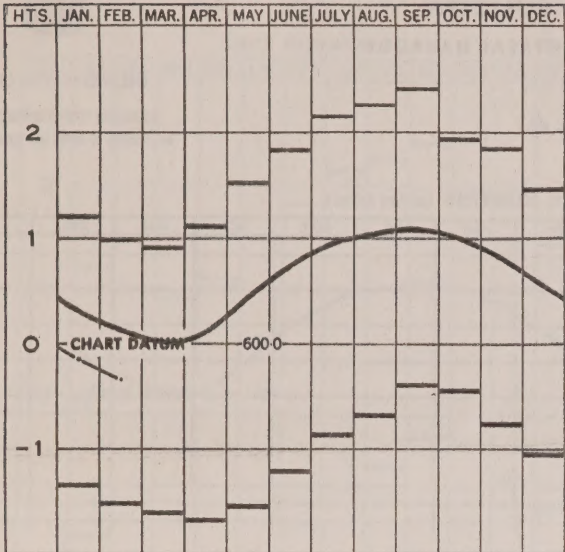
MEAN FOR MONTH	27.45	21.51	20.46										
HIGH LEVEL FOR MONTH	32.89	23.54	23.05										
Day and Hour	15-1833	1-0001	11-0419										
LOW LEVEL FOR MONTH	22.20	20.33	18.57										
Day and Hour	27-0450	10-0511	30-1259										
HIGHEST DAILY MEAN	32.53	23.16	22.93										
Day	15	1	11										
LOWEST DAILY MEAN	22.55	20.61	18.79										
Day	27	25	30										
Last year's mean for month	33.51	30.80	23.64										
Max. mean for month since 1860	40.14	38.66	37.12										
Year	1886	1890	1890										
Min. mean for month since 1860	21.25	21.51	23.08										
Year	1932	1964	1962										
Mean for month-last 10 years	30.13	30.39	25.51										
Mean for month-since 1860	32.78	32.26	31.42										
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN

MAXIMUM AND MINIMUM MEAN LEVELS TABULATED ABOVE AND SHOWN OVERLEAF ARE THOSE PRIOR TO THE PRESENT YEAR AND MAY HAVE BEEN RECORDED AT LOCATIONS ON THE LAKES OTHER THAN THOSE INDICATED.

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955). THE REFERENCE ZERO FOR IGLD (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.



# LAKE SUPERIOR



CANADA

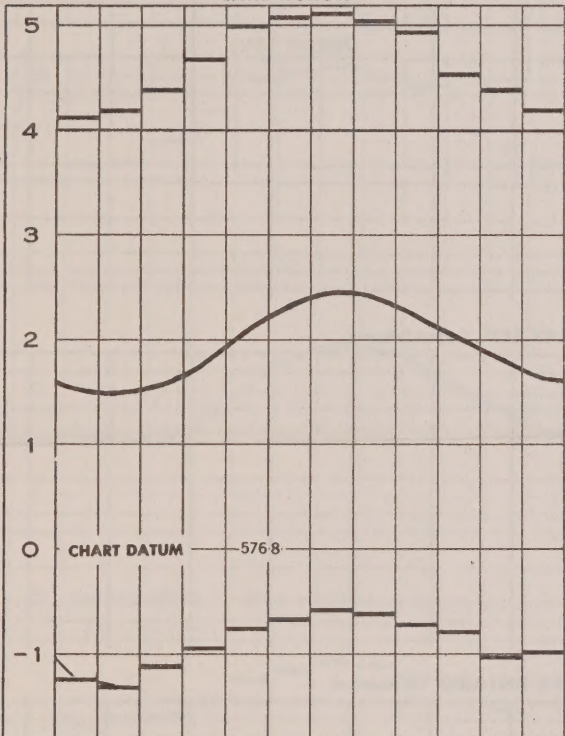
INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

## MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

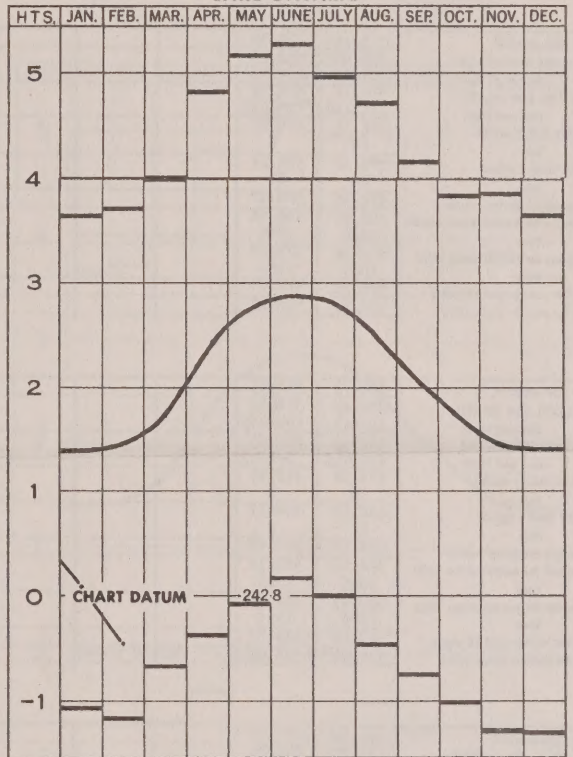
1964

Maximum		PERIOD OF RECORD MONTHLY
Minimum		
Mean		
Mean		

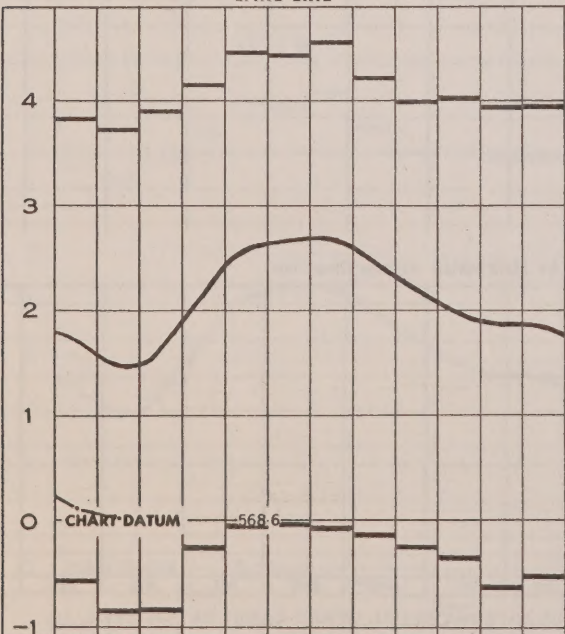
# LAKE HURON



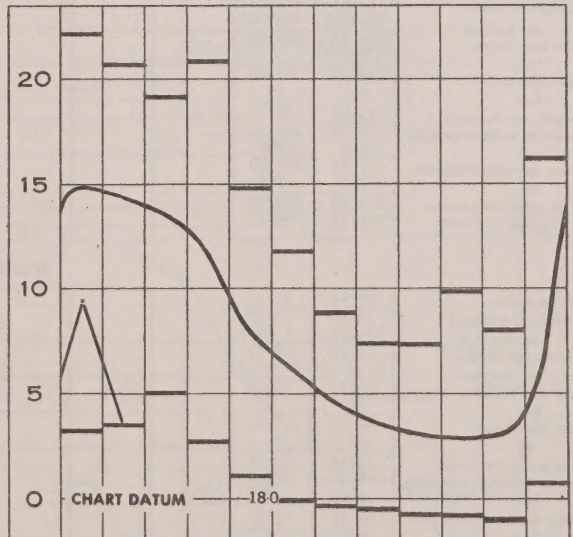
# LAKE ONTARIO



# LAKE ERIE



# MONTREAL HARBOUR



HEIGHTS ARE IN FEET  
REFERRED TO CHART DATUM.





WATER LEVEL BULLETIN for the  
GREAT LAKES AND MONTREAL HARBOUR  
St. Lawrence River.  
1964

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86	599.67											
HIGH LEVEL FOR MONTH	600.37	600.11											
Day and Hour	1-0739	6-1007											
LOW LEVEL FOR MONTH	599.34	599.21											
Day and Hour	21-0912	23-0322											
HIGHEST DAILY MEAN	600.05	599.84											
Day	1	3											
LOWEST DAILY MEAN	599.70	599.49											
Day	26	23											
Last year's mean for month	599.74	599.60											
Max. mean for month since 1860	601.21	600.99											
Year	1952	1952											
Min. mean for month since 1860	598.66	598.48											
Year	1926	1926											
Mean for month - last 10 years	600.08	599.79											
Mean for month - since 1860	600.32	600.13											

LAKE HURON (at Goderich)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	575.56	575.49											
HIGH LEVEL FOR MONTH	576.49	576.16											
Day and Hour	10-1932	23-2350											
LOW LEVEL FOR MONTH	574.36	574.80											
Day and Hour	25-0152	25-0622											
HIGHEST DAILY MEAN	576.15	575.77											
Day	10	8											
LOWEST DAILY MEAN	575.19	575.24											
Day	24	29											
Last year's mean for month	576.46	576.27											
Max. mean for month since 1860	580.91	580.98											
Year	1886	1886											
Min. mean for month since 1860	575.56	575.49											
Year	1964	1964											
Mean for month - last 10 years	577.30	577.20											
Mean for month - since 1860	578.31	578.27											

LAKE ERIE (at Port Colborne)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	568.71	568.61											
HIGH LEVEL FOR MONTH	572.25	570.42											
Day and Hour	10-0617	24-0409											
LOW LEVEL FOR MONTH	565.63	567.63											
Day and Hour	13-0248	6-1817											
HIGHEST DAILY MEAN	570.31	569.17											
Day	10	8											
LOWEST DAILY MEAN	566.69	568.12											
Day	12	6											
Last year's mean for month	569.47	568.98											
Max. mean for month since 1860	572.44	572.32											
Year	1863	1863											
Min. mean for month since 1860	568.03	567.75											
Year	1935	1935											
Mean for month - last 10 years	569.88	569.58											
Mean for month - since 1860	570.31	570.08											

LAKE ONTARIO (at Kingston)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	242.88	242.35											
HIGH LEVEL FOR MONTH	243.72	242.88											
Day and Hour	10-0940	4-0719											
LOW LEVEL FOR MONTH	242.25	241.92											
Day and Hour	24-1121	29-0525											
HIGHEST DAILY MEAN	243.35	242.70											
Day	2	4											
LOWEST DAILY MEAN	242.53	242.09											
Day	24	29											
Last year's mean for month	243.92	243.39											
Max. mean for month since 1860	246.43	246.50											
Year	1886	1886											
Min. mean for month since 1860	241.73	241.63											
Year	1935	1936											
Mean for month - last 10 years	243.83	243.68											
Mean for month - since 1860	244.19	244.24											

MONTREAL HARBOUR (at King Edward Pier)

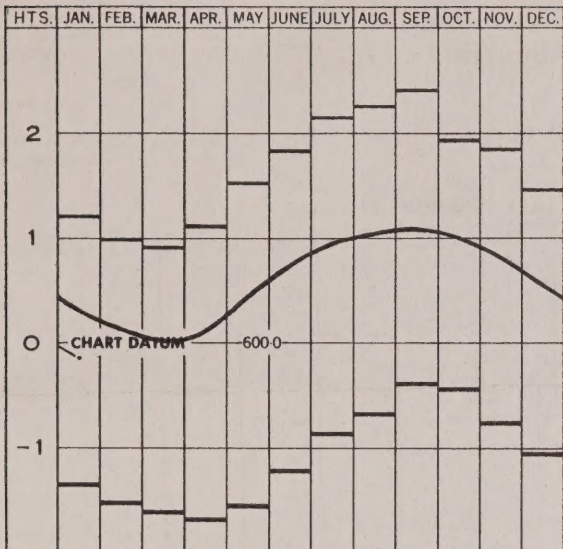
	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	27.45	21.51											
HIGH LEVEL FOR MONTH	32.89	23.54											
Day and Hour	15-1833	1-0001											
LOW LEVEL FOR MONTH	22.20	20.33											
Day and Hour	27-0450	10-0511											
HIGHEST DAILY MEAN	32.53	23.16											
Day	15	1											
LOWEST DAILY MEAN	22.55	20.61											
Day	27	25											
Last year's mean for month	33.51	30.80											
Max. mean for month since 1860	40.14	38.66											
Year	1886	1890											
Min. mean for month since 1860	21.25	21.51											
Year	1932	1964											
Mean for month - last 10 years	30.13	30.39											
Mean for month - since 1860	32.78	32.26											

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).

THE REFERENCE ZERO FOR I G L D (1955) IS THE MEAN WATER LEVEL COMPUTED AS 12.444 FEET BELOW BENCH MARK 1248-G OR 7.486 FEET ABOVE THE ZERO OF THE CANADIAN HYDROGRAPHIC SERVICE GAUGE AT FATHER POINT, QUEBEC.



# LAKE SUPERIOR



CANADA

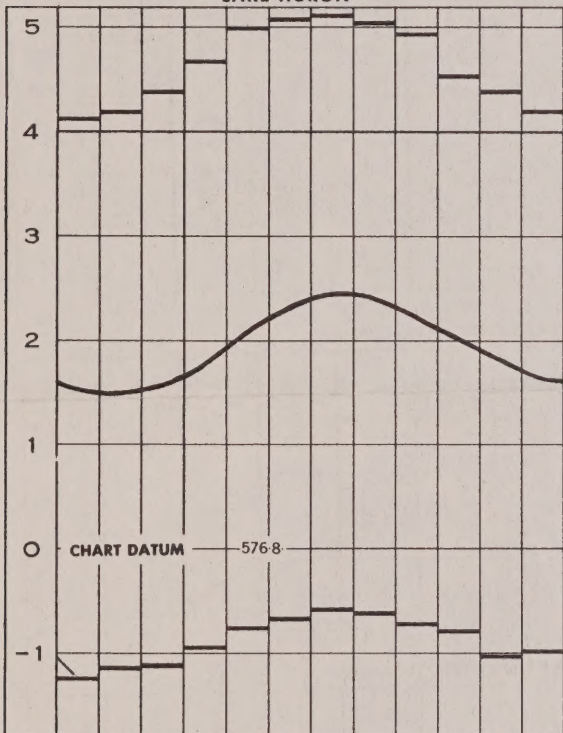
INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

## MONTHLY MEAN WATER LEVELS GREAT LAKES AND MONTREAL HARBOUR

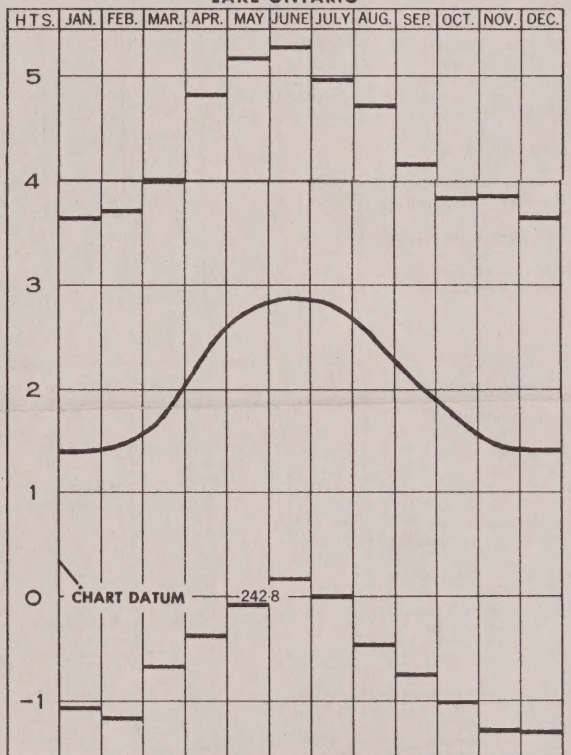
1964

Maximum		PERIOD OF RECORD
Minimum		
Mean		
Mean		
		MONTHLY

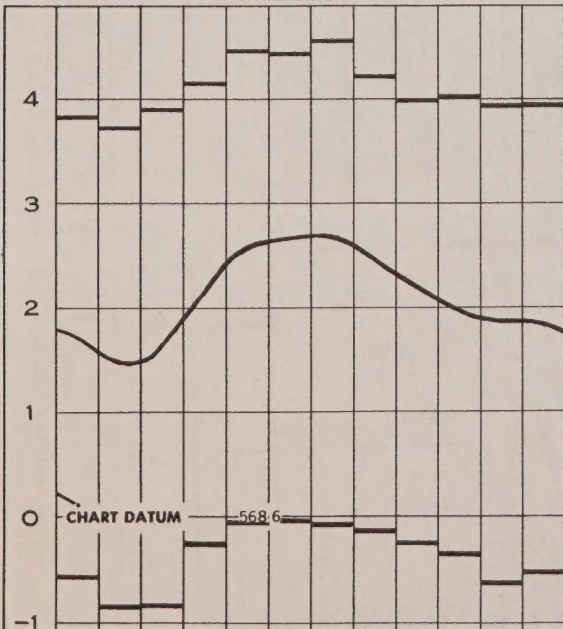
# LAKE HURON



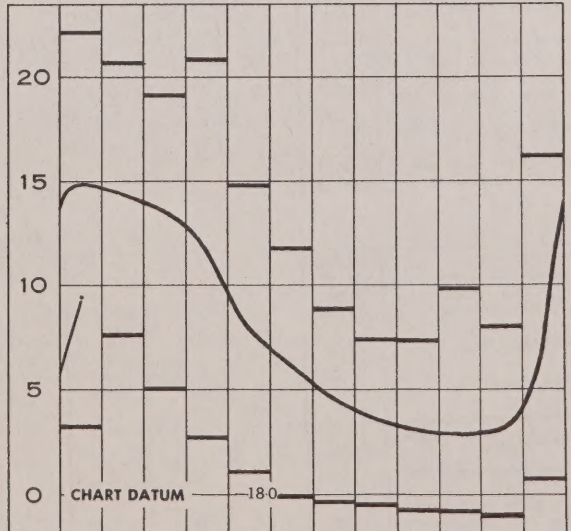
# LAKE ONTARIO



# LAKE ERIE



# MONTREAL HARBOUR



HEIGHTS ARE IN FEET  
REFERRED TO CHART DATUM.





WATER LEVEL BULLETIN for the  
GREAT LAKES AND (MONTREAL HARBOUR)  
St. Lawrence River.

1964

INLAND WATER LEVELS  
CANADIAN HYDROGRAPHIC SERVICE  
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

LAKE SUPERIOR (at Port Arthur)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	599.86												
HIGH LEVEL FOR MONTH	600.37												
Day and Hour	1-0739												
LOW LEVEL FOR MONTH	599.34												
Day and Hour	21-0912												
HIGHEST DAILY MEAN	600.05												
Day	1												
LOWEST DAILY MEAN	599.70												
Day	26												
Last year's mean for month	599.74												
Max. mean for month since 1860	601.21												
Year	1952												
Min. mean for month since 1860	598.66												
Year	1926												
Mean for month - last 10 years	600.08												
Mean for month - since 1860	600.32												

LAKE HURON (at Goderich)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	575.56												
HIGH LEVEL FOR MONTH	576.49												
Day and Hour	10-1932												
LOW LEVEL FOR MONTH	574.36												
Day and Hour	25-0152												
HIGHEST DAILY MEAN	576.15												
Day	10												
LOWEST DAILY MEAN	575.19												
Day	24												
Last year's mean for month	576.46												
Max. mean for month since 1860	580.91												
Year	1886												
Min. mean for month since 1860	575.56												
Year	1964												
Mean for month - last 10 years	577.30												
Mean for month - since 1860	578.31												

LAKE ERIE (at Port Colborne)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	568.71												
HIGH LEVEL FOR MONTH	572.25												
Day and Hour	10-0617												
LOW LEVEL FOR MONTH	565.63												
Day and Hour	13-0248												
HIGHEST DAILY MEAN	570.31												
Day	10												
LOWEST DAILY MEAN	566.69												
Day	12												
Last year's mean for month	569.47												
Max. mean for month since 1860	572.44												
Year	1863												
Min. mean for month since 1860	568.03												
Year	1935												
Mean for month - last 10 years	569.88												
Mean for month - since 1860	570.31												

LAKE ONTARIO (at Kingston)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	242.88												
HIGH LEVEL FOR MONTH	243.72												
Day and Hour	10-0940												
LOW LEVEL FOR MONTH	242.25												
Day and Hour	24-1121												
HIGHEST DAILY MEAN	243.35												
Day	2												
LOWEST DAILY MEAN	242.53												
Day	24												
Last year's mean for month	243.92												
Max. mean for month since 1860	246.43												
Year	1886												
Min. mean for month since 1860	241.73												
Year	1935												
Mean for month - last 10 years	243.83												
Mean for month - since 1860	244.19												

MONTREAL HARBOUR (at King Edward Pier)

	JAN.	FEB.	MAR.	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	MEAN
MEAN FOR MONTH	27.45												
HIGH LEVEL FOR MONTH	32.89												
Day and Hour	15-1833												
LOW LEVEL FOR MONTH	22.20												
Day and Hour	27-0450												
HIGHEST DAILY MEAN	32.53												
Day	15												
LOWEST DAILY MEAN	22.55												
Day	27												
Last year's mean for month	32.51												
Max. mean for month since 1860	40.14												
Year	1886												
Min. mean for month since 1860	21.25												
Year	1932												
Mean for month - last 10 years	30.13												
Mean for month - since 1860	32.78												

ELEVATIONS ARE IN FEET REFERRED TO THE INTERNATIONAL GREAT LAKES DATUM (1955).